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HCD-H100

SERVICE MANUAL

AEP Model
UK Model
E Model
Australian Model

Photo: E model

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HCD-H100 is the tuner, deck, CD and amplifier section in MHC-C10/G100.

CD SECTION	Model Name Using Similar Mechanism		NEW
	Base Unit Type		CD94V5CP
TAPE SECTION	Model Name Using Similar Mechanism		NEW
	Tape Transport Mechanism Type	DECK-A	ZY-318-FW-K-130-3
		DECK-B	ZY-318-FW-K-130-3

SPECIFICATIONS

CD player section

System: Compact disc digital audio system
Laser: Semiconductor laser
λ = 780 nm
Emission duration: continuous
Laser output: Max. 44.6µ W*
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Wavelength: 780 – 790 nm
Frequency response
2 Hz – 20 kHz (±0.5 dB)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range: 87.5 – 108.0 MHz
Antenna: FM lead antenna
Antenna terminals: 75 ohm unbalanced
Intermediate frequency
10.7 MHz

AM tuner section

Tuning range
EXCEPT E, Singapore model:
531 – 1,602 kHz
(with the tuning interval set at 9 kHz)
E, Singapore model:
531 – 1,602 kHz
(with the tuning interval set at 9 kHz)
530 – 1,710 kHz
(with the tuning interval set at 10 kHz)
Intermediate frequency
450 kHz

Amplifier section

AEP, UK, German model:
DIN power output
12 W + 12 W
(8 ohms at 1 kHz, DIN)
Continuous RMS power output
15 W + 15 W
(8 ohms at 1 kHz, 10% THD)
Music power output
24 W + 24 W
(8 ohms at 1 kHz, 10% THD)
Other model:
Peak music power output
250 W
Continuous RMS power output
18 W + 18 W (8 ohms at 1 kHz, 10 % THD)
Outputs
PHONES (stereo phone jack):
accepts headphones of 8 ohms or more.
SPEAKER:
accepts impedance of 8 to 16 ohms.

— Continued on next page —

MICROFILM

COMPACT DISC DECK RECEIVER

SONY®

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Tape player section

Recording system: 4-track 2-channel stereo

Frequency response: 60 – 13,000 Hz (±3 dB), using Sony TYPE I cassette

Wow and flutter: 0.1% WRMS 0.3% (DIN)

General

Power requirements

AEP, UK, German model: 220 – 230 V AC, 50/60 Hz

Australian model: 240 V AC, 50/60 Hz

Mexican model: 120 V AC, 60 Hz

Other model: 110 – 120V or 220 – 240 V AC Adjustable, 50/60 Hz

Power consumption

AEP, UK, German model: 90 watts

Other model: 110 watts

Dimensions

Approx. 275 x 312 x 332 mm (10 7/8 x 12 3/8 x 13 1/8 in) (w/h/d) incl. projecting parts and controls

Mass

AEP, UK, German model: Approx. 5.8 kg (12 lb 13 oz)

Other model: Approx. 6 kg

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION — AC POWER SUPPLY CODE —

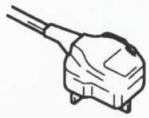
AEP, German model

(Without voltage selector)

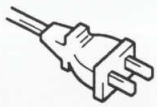
E, Singapore model

(With voltage selector)

UK model



Mexican model



Australian model

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CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

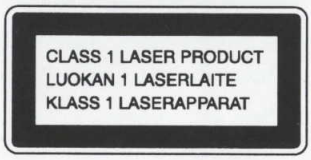
Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

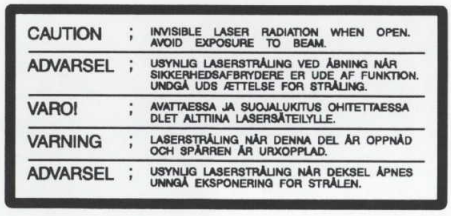
Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.


CAUTION ; INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.
ADVARSEL ; USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDS ÆTTELSE FOR STRÅLING.
VARO! ; AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA LASERSÄTEILYLLE.
VARNING ; LASERSTRÅLING NÄR DENNA DEL ÄR OPPNÅD OCH SPÄRREN ÄR URKOPPLAD.
ADVARSEL ; USYNLIG LASERSTRÅLING NÄR DEKSEL ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN.

This caution label is located inside the unit.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SERVICING NOTE

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Jig

It will become easier to operate by using the following extension jig between the front panel board (CN601) and the CD DECODER board (1/2) (CN06) when repairing.

Part No.	Description
J-2501-020-A	EXTENSION CABLE 18P

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• Abbreviation
G : German model.
MX : Mexican model.
SP : Singapore model.
AUS : Australian model.

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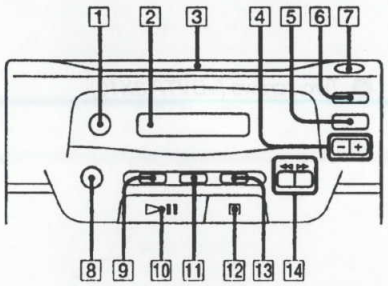
SECTION 1
GENERAL

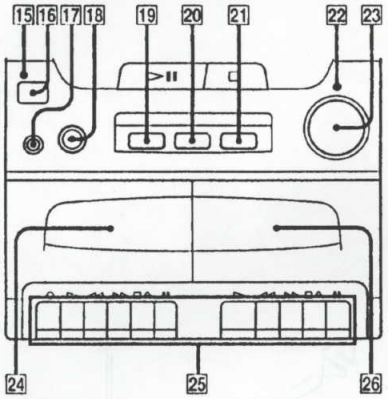
This section is extracted from instruction manual.

Index to Parts and Controls

Refer to the pages indicated in parentheses for details on how to use the controls.

Front Panel

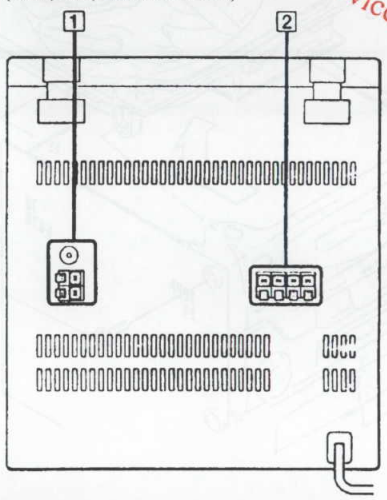




1 Remote Sensor
2 Display
3 CD cover (6)
4 PRESET –/+ button (10)
5 BAND button (9)
6 DISC SKIP button (6)
7 OPEN button (2, 6)
8 MEMORY button (10)
9 SHUFFLE button (7)
10 ▷II (play/pause) button (6)
11 PROGRAM button (7)
12 □ (stop) button (6)
13 REPEAT button (8)
14 – TUNING + / ◁◁/▷▷ / I◁◁/▷▷I buttons (6, 9, 11)
15 ON/STANDBY indicator
16 ON/OFF button (6)
17 PHONES jack (13)
18 BASS BOOST button and indicator (13)
19 TAPE button (11)
20 CD button (6)
21 TUNER button (9)
22 Volume indicator
23 VOLUME control (13)
24 Deck A (11)
25 Tape operating buttons
O (recording) (for deck A only) (12)
▷ (play) (11)
◁◁ (fast rewind) (11)
▷▷ (fast forward) (11)
□≙ (stop/eject) (11)
II (pause) (11)
26 Deck B (11)

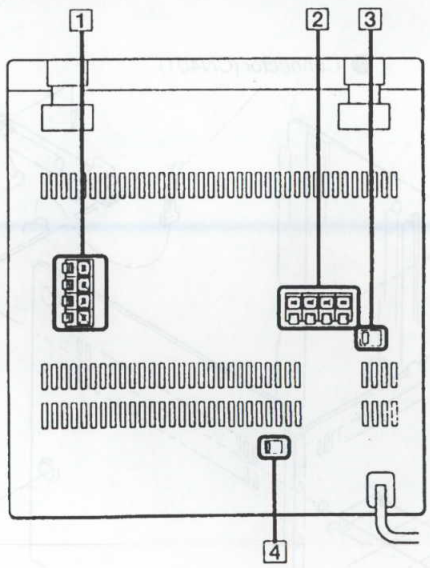
Rear panel

(AEP, UK, German model)



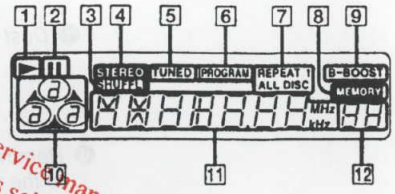
1 AM/FM aerial terminals (4)
2 SPEAKER L/R connectors (4)

(Other model)



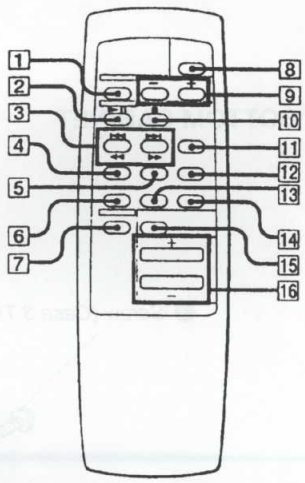
1 AM/FM antenna terminals (4)
2 SPEAKER L/R connectors (4)
3 AM TUNING STEP switch (4)
(E, Singapore model)
4 VOLTAGE SELECTOR switch (4)
(E, Singapore model)

Display Window



1 ▷ (play) indicator
2 II (pause) indicator
3 SHUFFLE indicator (7)
4 STEREO indicator (9)
5 TUNED indicator (9)
6 PROGRAM indicator (7)
7 REPEAT indicators (8)
8 MEMORY indicator (10)
9 B-BOOST indicator (13)
10 Disc tray indicator (6)
11 Multi display (6, 9, 10)
12 Preset number indicators (10)

Remote



1 TUNER BAND button (9)
2 ▷II button (6)
3 I◁◁ / ▷▷I (AMS)* / ◁◁/▷▷ / (fast rewind/fast forward) buttons (6)
4 TIME button (6)
5 DISC SKIP button (6)
6 SHUFFLE button (7)
7 TAPE button (11)
8 POWER button (6)
9 PRESET –/+ buttons (10)
10 ■ (stop) button (6)
11 REPEAT button (8)
12 M. SCAN button (8)
13 PROGRAM button (7)
14 CLEAR button (7)
15 B. BOOST button (13)
16 VOL –/+ buttons (13)

*Automatic Music Sensor

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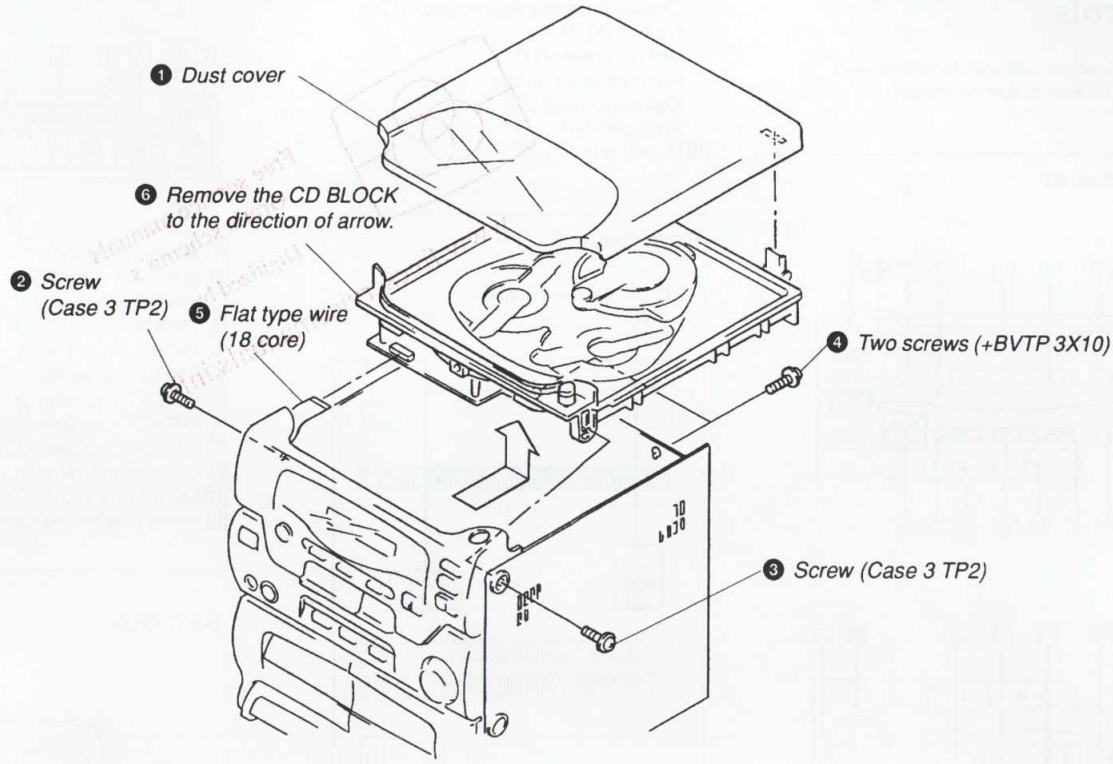
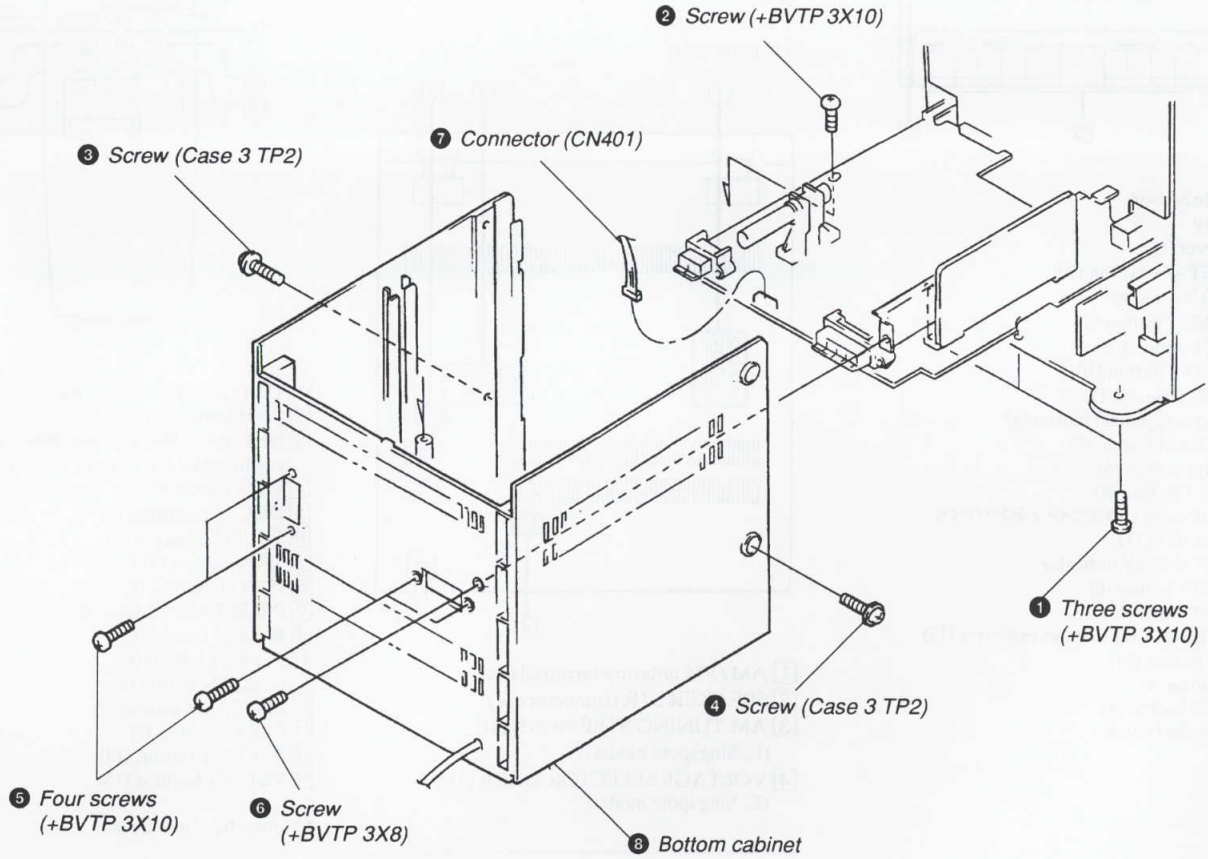
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

2-1. CD BLOCK


❶ Dust cover
❻ Remove the CD BLOCK to the direction of arrow.
❷ Screw (Case 3 TP2)
❺ Flat type wire (18 core)
❹ Two screws (+BVTP 3X10)
❸ Screw (Case 3 TP2)

2-2. BOTTOM CABINET


❷ Screw (+BVTP 3X10)
❸ Screw (Case 3 TP2)
❼ Connector (CN401)
❶ Three screws (+BVTP 3X10)
❹ Screw (Case 3 TP2)
❺ Four screws (+BVTP 3X10)
❻ Screw (+BVTP 3X8)
❽ Bottom cabinet

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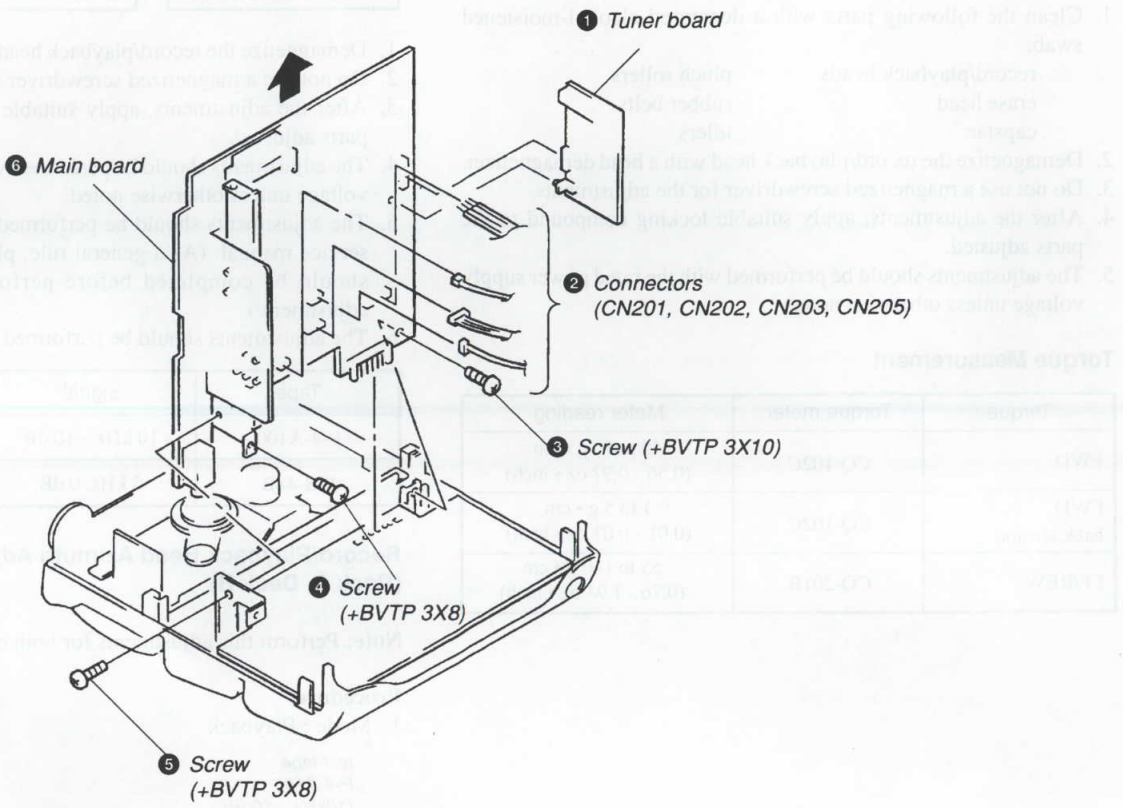
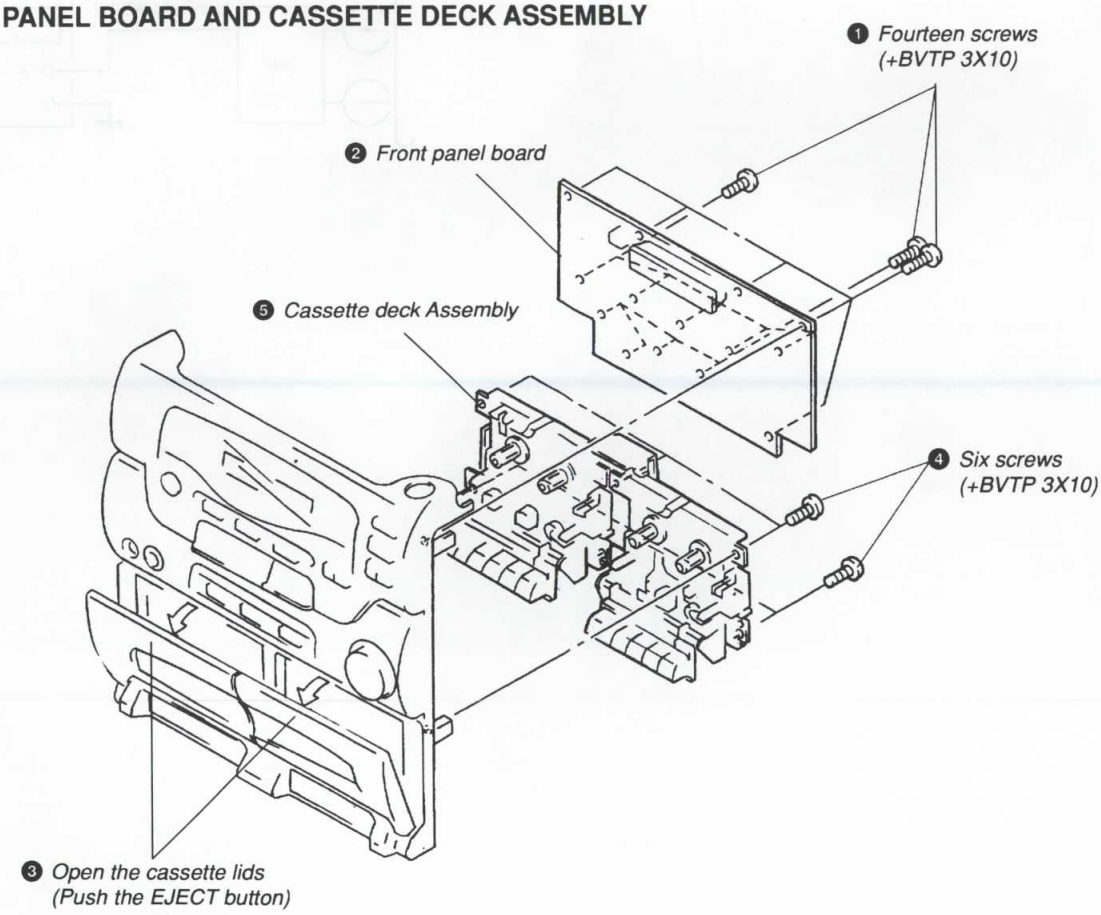
2-3. MAIN BOARD



2-4. FRONT PANEL BOARD AND CASSETTE DECK ASSEMBLY



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SECTION 3
MECHANICAL ADJUSTMENTS

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:
   - record/playback heads
   - erase head
   - capstan
   - pinch rollers
   - rubber belts
   - idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	40 to 70 g • cm (0.56 - 0.97 oz • inch)
FWD back tension	CQ-102C	1 to 5 g • cm (0.01 - 0.07 oz • inch)
FF/REW	CQ-201B	55 to 140 g • cm (0.76 - 1.94 oz • inch)

SECTION 4
ELECTRICAL ADJUSTMENTS

DECK SECTION **0 dB=0.775V**

1. Demagnetize the record/playback head with a head damagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

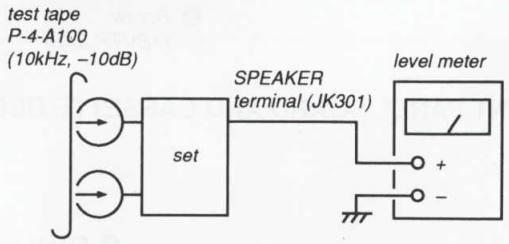
Tape	Signal	Used for
P-4-A100	10 kHz, –10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment

Record/Playback Head Azimuth Adjustment (Deck A, Deck B)

Note: Perform this adjustments for both decks.

Procedure:

1. Mode : Playback



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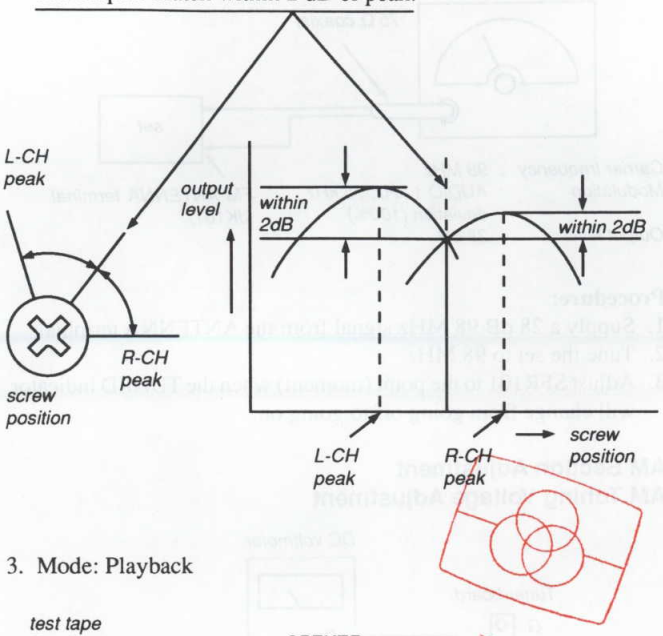
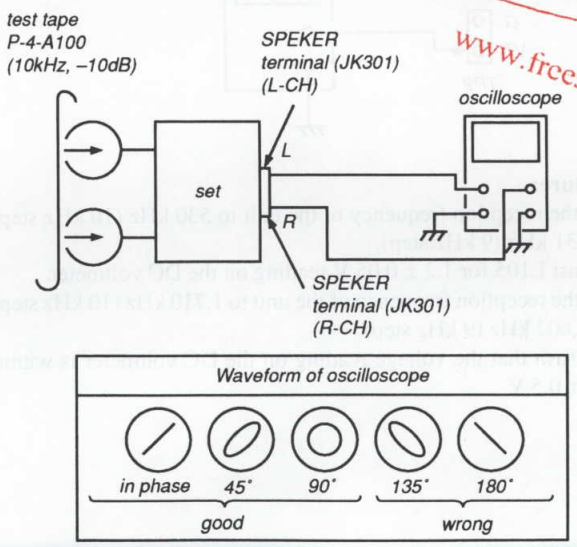
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 2 dB of peak.

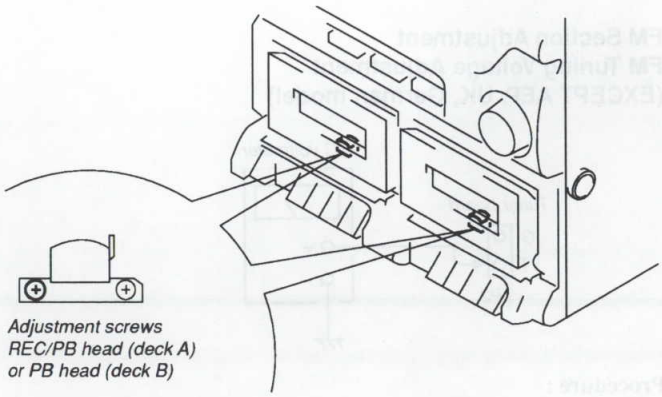


3. Mode: Playback



4. After the adjustments, apply suitable locking compound to the parts adjusted.

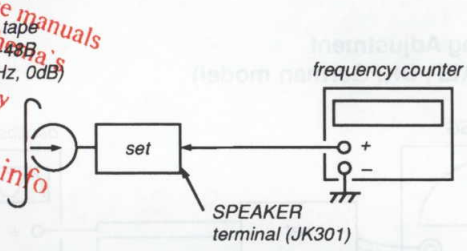
Adjustment Location:



Tape Speed Adjustment (Deck A)

Procedure:

Mode: Playback



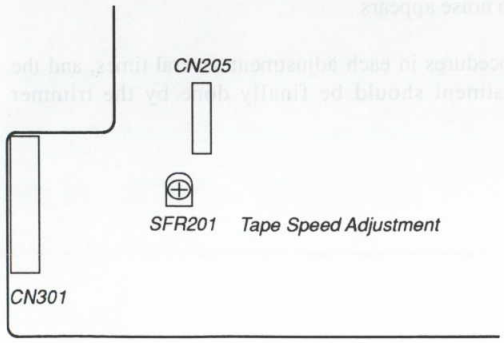
Test tape

Tape	Signal	Used for
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment

Adjust the SFR201 so that the frequency counter reads 3,000 Hz ± 30 Hz.

Adjustment Location:

[MAIN BOARD] — Component side —



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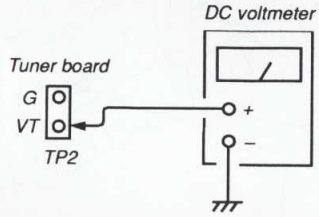
TUNER SECTION 0 dB=1μV

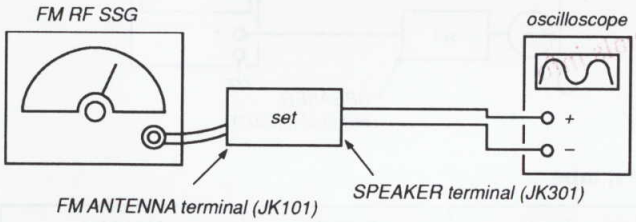
Note: As a FM front end (U1) is difficult to repair if faulty, replace it with new one. (AEP, UK, German model)

FM Section Adjustment
FM Tuning Voltage Adjustment
(EXCEPT AEP, UK, German model)



Procedure :
1. Set the reception frequency of the unit to 87.5 MHz.
2. Adjust L103 for 1.2 ± 0.05V reading on the DC voltmeter.
3. Set the reception frequency of the unit to 108 MHz.
4. Confirm that the voltage reading on the DC voltmeter is within 7.8 ± 0.5V.

FM Tracking Adjustment
(EXCEPT AEP, UK, German model)

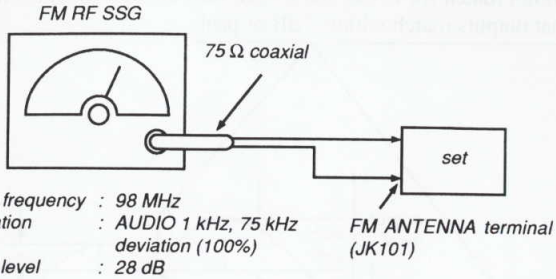


Carrier frequency : 90 MHz, 106 MHz
Modulation : AUDIO 1kHz, 75kHz deviation (100%)
Output level : 20 dB (at 75Ω open)

Procedure:
1. Tune the set to 90 MHz.
2. Adjust L102 so that when the waveform on the oscilloscope is maximum, no noise appears.
3. Tune the set to 106 MHz.
4. Adjust TC101 so that when the waveform on the oscilloscope is maximum, no noise appears.

• Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

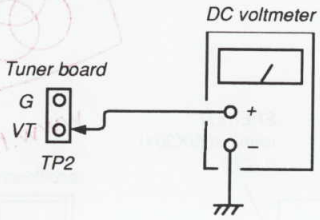
FM Tuned Level Adjustment



Carrier frequency : 98 MHz
Modulation : AUDIO 1 kHz, 75 kHz deviation (100%)
Output level : 28 dB

Procedure:
1. Supply a 28 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust SFR101 to the point (moment) when the TUNED indicator will change from going off to going on.

AM Section Adjustment
AM Tuning Voltage Adjustment



Procedure:
1. Set the reception frequency of the unit to 530 kHz (10 kHz step) or 531 kHz (9 kHz step).
2. Adjust L105 for 1.2 ± 0.05 V reading on the DC voltmeter.
3. Set the reception frequency of the unit to 1,710 kHz (10 kHz step) or 1,602 kHz (9 kHz step).
4. Confirm that the voltage reading on the DC voltmeter is within 8.0 ± 0.5 V.

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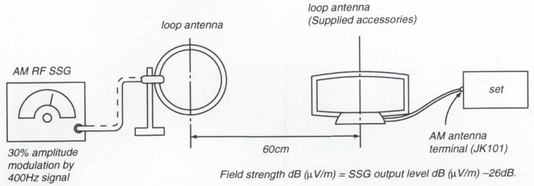
AM Tracking Adjustment



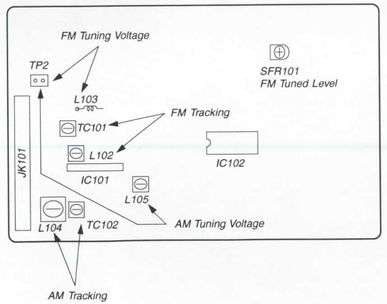
Procedure:
1. Tune the set to 600 kHz (10 kHz step) or 603 Hz (9 kHz step).
2. Set the output of AM RF SSG so that the input level of the set will become 60 dB (µV/m).
3. Adjust L104 so that when the waveform on the oscilloscope is maximum, no noise appears.
4. Tune the set to 1,400 kHz (10 kHz step) or 1,404 Hz (9 kHz step).
5. Adjust TC102 so that when the waveform on the oscilloscope is maximum, no noise appears.

• Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

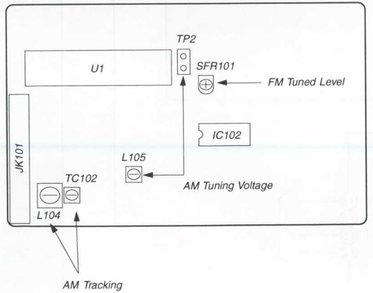
• Abbreviation
G : German model.
MX : Mexican model.
SP : Singapore model.
AUS : Australian model.

Adjustment Location

E, SP, MX, AUS MODEL
[TUNER BOARD] — Component side —

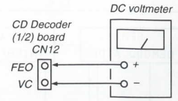


AEP, UK, G MODEL
[TUNER BOARD] — Component side —



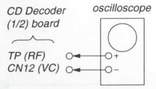
CD SECTION

Focus Bias Adjustment



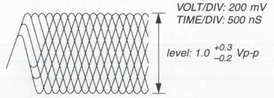
Procedure:
1. Connect DC voltmeter to test point CN12 (FEO), (VC).
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Adjust VR01 so that the DC voitmeter reading is 0 ± 0.1 V.

RF Level Check



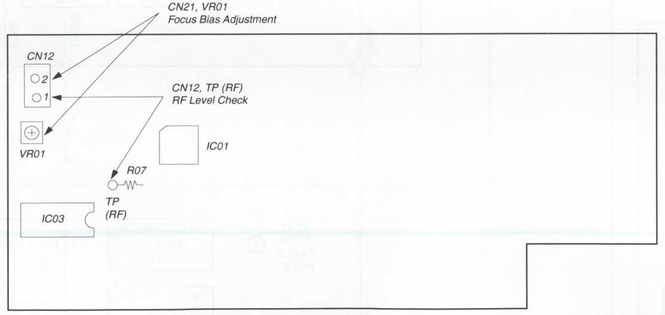
Procedure :
1. Connect oscilloscope to test point TP (RF) on CD Decoder (1/2) board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note: Clear RF signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.



Adjustment Location

[CD DECODER (1/2) BOARD] — Component side —



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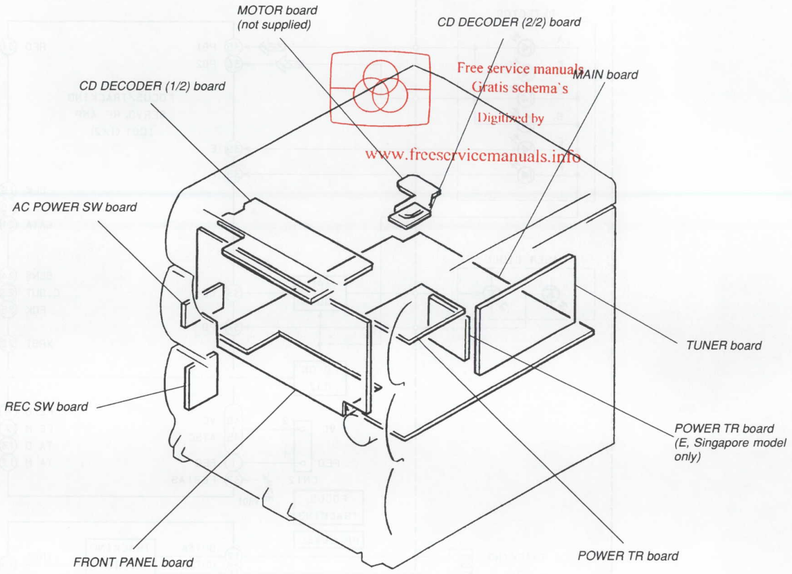
SECTION 5
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



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Note : AC POWER SW board, POWER TR board and REC SW board are supplied together.

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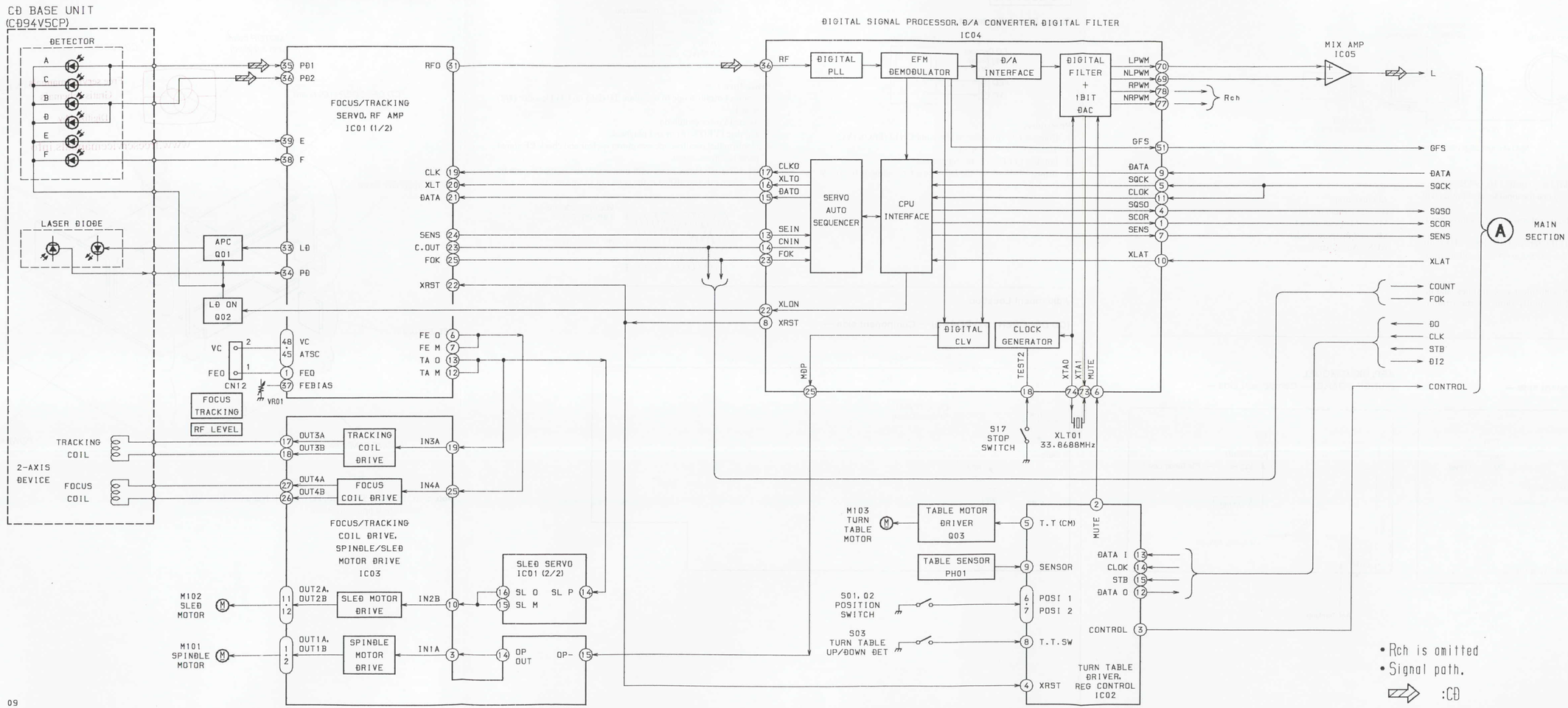
5-2. BLOCK DIAGRAMS
— CD SECTION —



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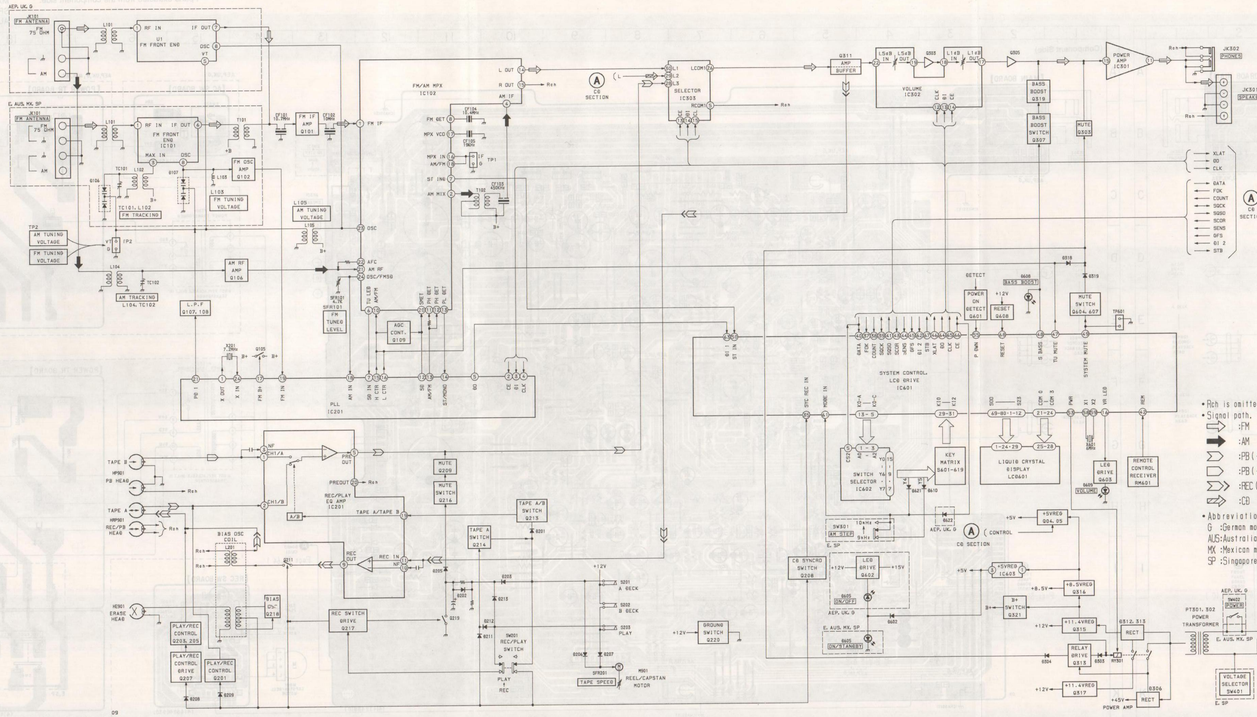
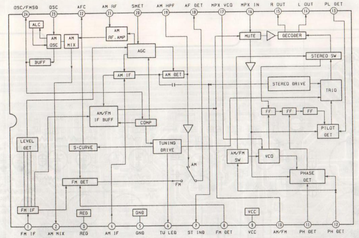
— MAIN SECTION —



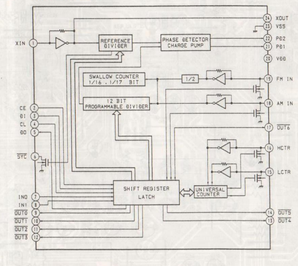
5-3. IC BLOCK DIAGRAMS

— TUNER SECTION —

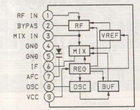
IC102 LA1831



IC201 LC7218

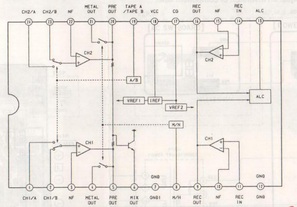


IC101 LA1186N

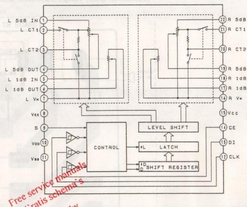


— MAIN SECTION —

IC201 TA8189N

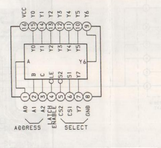


IC302 LC7535



— FRONT PANEL SECTION —

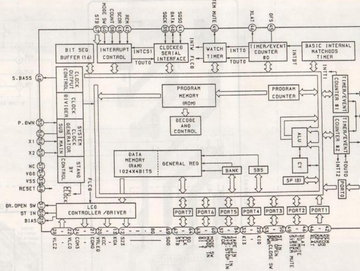
IC602 TC74HC237AP



INPUTS				OUTPUTS							
LE	CS1	CS2	A2	A1	A0	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7
X	X	H	X	X	X	L	L	L	L	L	L	L	L
X	L	X	X	X	X	L	L	L	L	L	L	L	L
L	H	L	L	L	L	H	L	L	L	L	L	L	L
L	H	L	L	L	H	L	H	L	L	L	L	L	L
L	H	L	L	H	L	L	L	H	L	L	L	L	L
L	H	L	L	H	H	L	L	L	H	L	L	L	L
L	H	L	H	L	L	L	L	L	L	H	L	L	L
L	H	L	H	L	H	L	L	L	L	L	H	L	L
L	H	L	H	H	L	L	L	L	L	L	L	H	L
L	H	L	H	H	H	L	L	L	L	L	L	L	H

* = MEANS THAT LE IS IN THE STATE OF ADDRESS WHEN L.

IC601 μPD753016-H100



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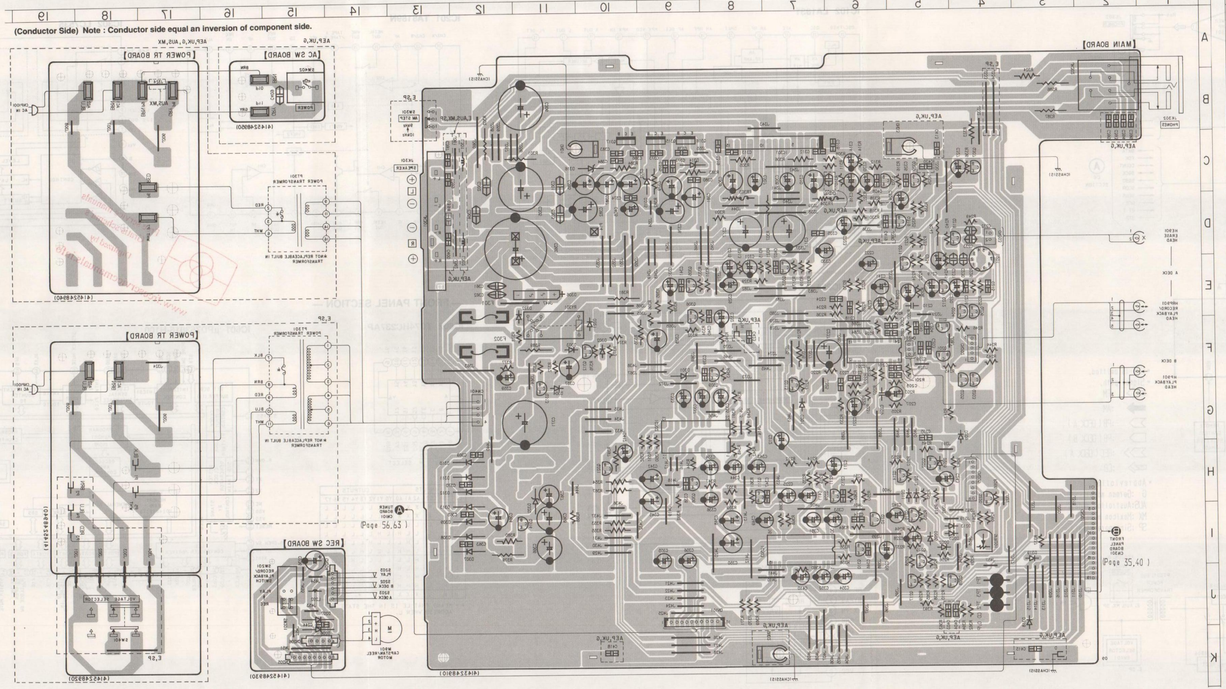
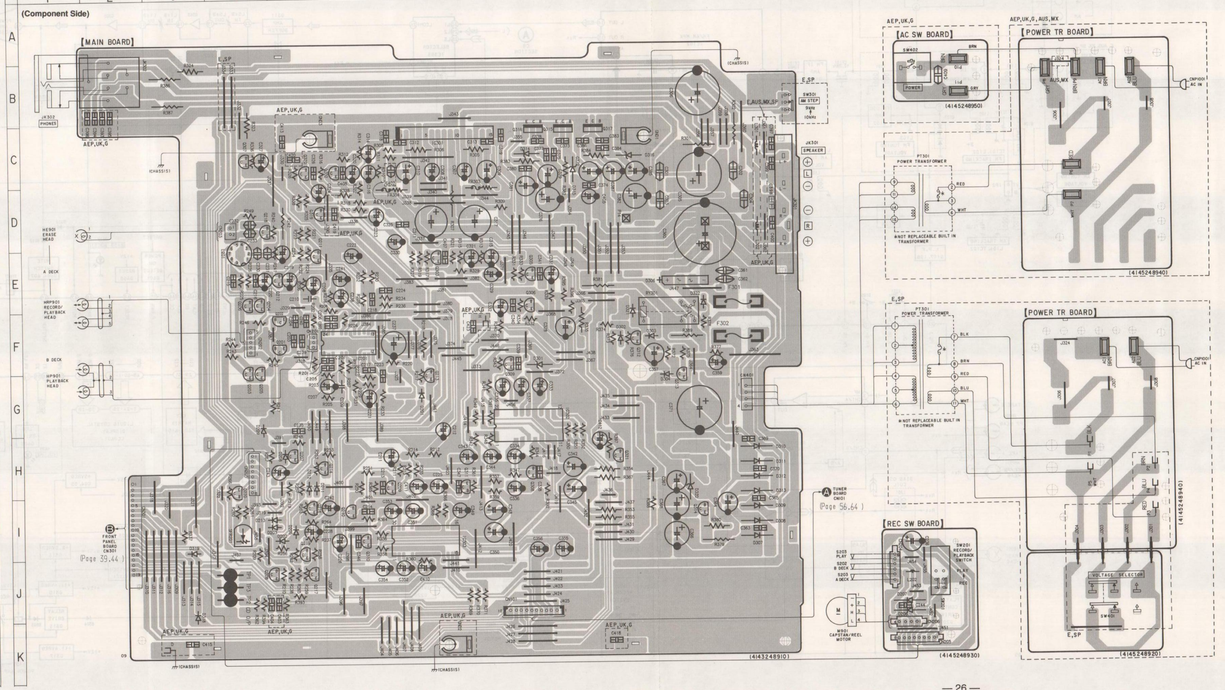
5-4. PRINTED WIRING BOARD — MAIN SECTION —

• See page 13 for Circuit Boards Location.

(Conductor Side) Note : Conductor side equal an inversion of component side.



(Component Side)



Note:

• ⟵ : parts extracted from the component side.

• Abbreviation

G : German model.
MX : Mexican model.
SP : Singapore model.
AUS : Australian model.

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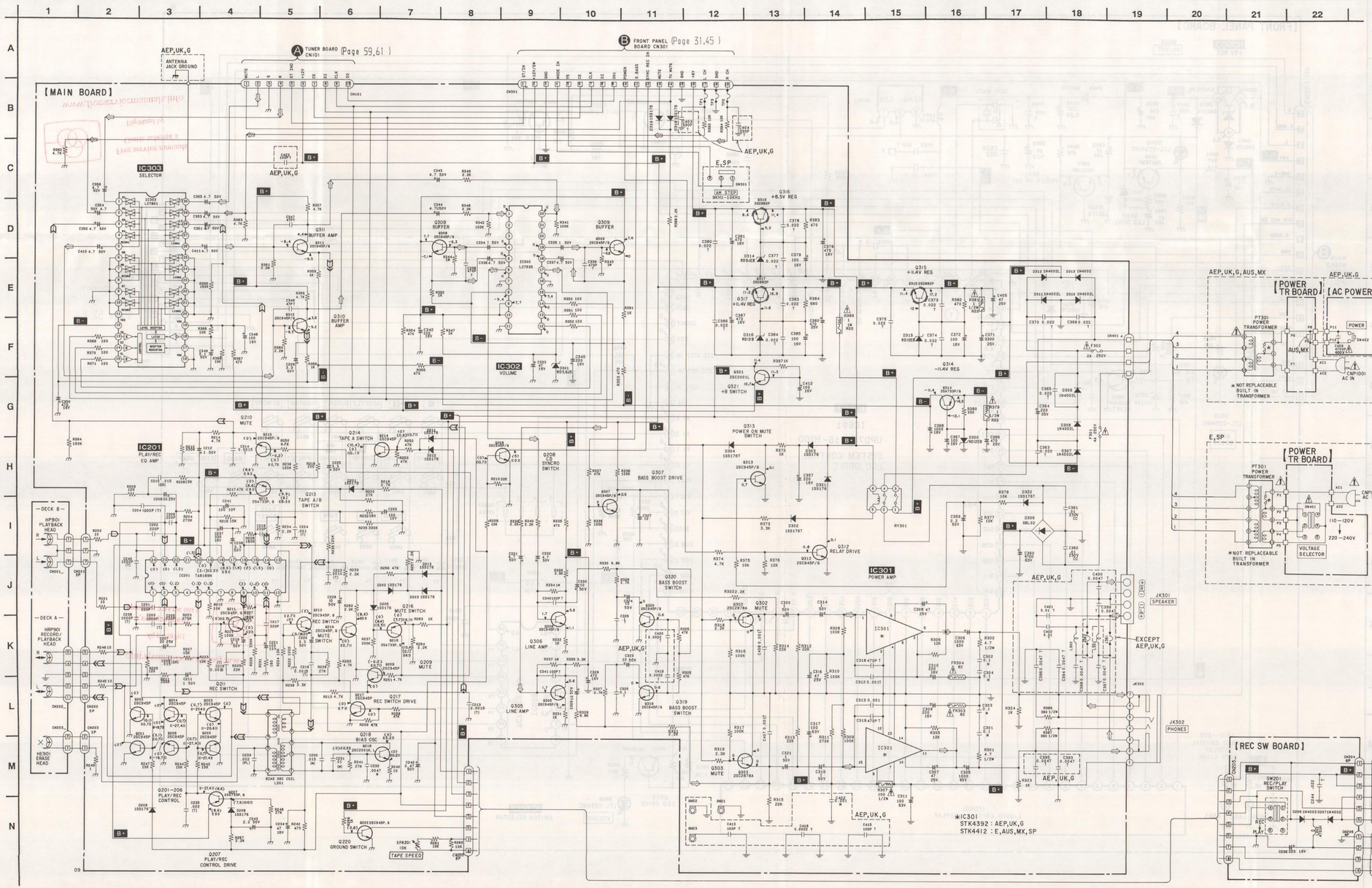
5-5. SCHEMATIC DIAGRAM — MAIN SECTION —

• See page 20 for IC Block Diagrams.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D201	G-7	Q201	F-5
D202	I-5	Q202	E-5
D203	I-4	Q203	G-4
D205	I-5	Q204	E-4
D206	J-15	Q205	G-4
D207	J-15	Q206	E-4
D208	H-5	Q207	H-5
D209	G-4	Q208	J-4
D211	H-5	Q209	H-7
D212	H-5	Q210	I-6
D213	I-4	Q211	D-5
D301	F-9	Q212	E-5
D302	F-10	Q213	F-7
D303	F-11	Q214	H-5
D304	F-11	Q216	H-5
D306	E-11	Q217	J-5
D307	I-12	Q218	D-4
D308	I-13	Q219	I-5
D309	H-13	Q220	H-4
D310	H-13	Q302	C-5
D311	H-13	Q303	E-7
D312	H-13	Q305	E-9
D313	H-13	Q306	E-9
D314	C-9	Q307	C-4
D315	C-9	Q308	H-9
D316	D-11	Q309	F-8
D318	J-3	Q310	I-6
D319	I-3	Q311	I-8
D320	H-11	Q312	F-10
D321	E-10	Q313	F-11
D322	E-16	Q314	H-11
		Q315	B-9
IC201	F-6	Q316	B-9
IC301	C-7	Q317	B-10
IC302	G-9	Q319	D-5
IC303	I-8	Q320	C-5
		Q321	H-10

Voltages of Semiconductor

• IC301

Pin No.	Voltage	
	AEP,UK,G	E,MX,SP,AUS
1	10	11.9
2	9.6	11.5
5	19	22.6
6	4.7	10.3
7	40.3	45.8
9	39.1	44.9
10	4.8	10.7
11	19.7	22.7
14	9.7	11.5
15	10.1	11.8

• IC303

Pin No.	Voltage	
	AEP,UK,G	E,MX,SP,AUS
1	– 3.1	– 2.5
2	– 1.5	– 2.4
3	– 1.5	– 2.4
5	– 3	– 2.5
12	– 10.3	– 10.3
13	0	0
14	5 (0)	0
15	5 (0)	0
18	9.2	9.2
19	9.2	9.2
26	– 2.7 (– 2.4)	– 2.7 (– 2.4)
28	– 1.2	– 2.4
29	– 1.2	– 2.5
30	– 2.6	– 2.6

Note:

- All capacitors are in µF unless otherwise noted. pF:µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- XXX is an abbreviation of 0.XXX.
- : fusible resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- B+ : B+ Line
- B– : B– Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (deturned) conditions.
  no mark : FM
  ( ) : AM
  < > : PLAY (DECK A)
  ( ) : PLAY (DECK B)
  (( )) : REC (DECK A)
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM
  : PB (DECK A)
  : PB (DECK B)
  : REC (DECK A)
  : CD
- Abbreviation
  G : German model.
  MX : Mexican model.
  SP : Singapore model.
  AUS : Australian model.

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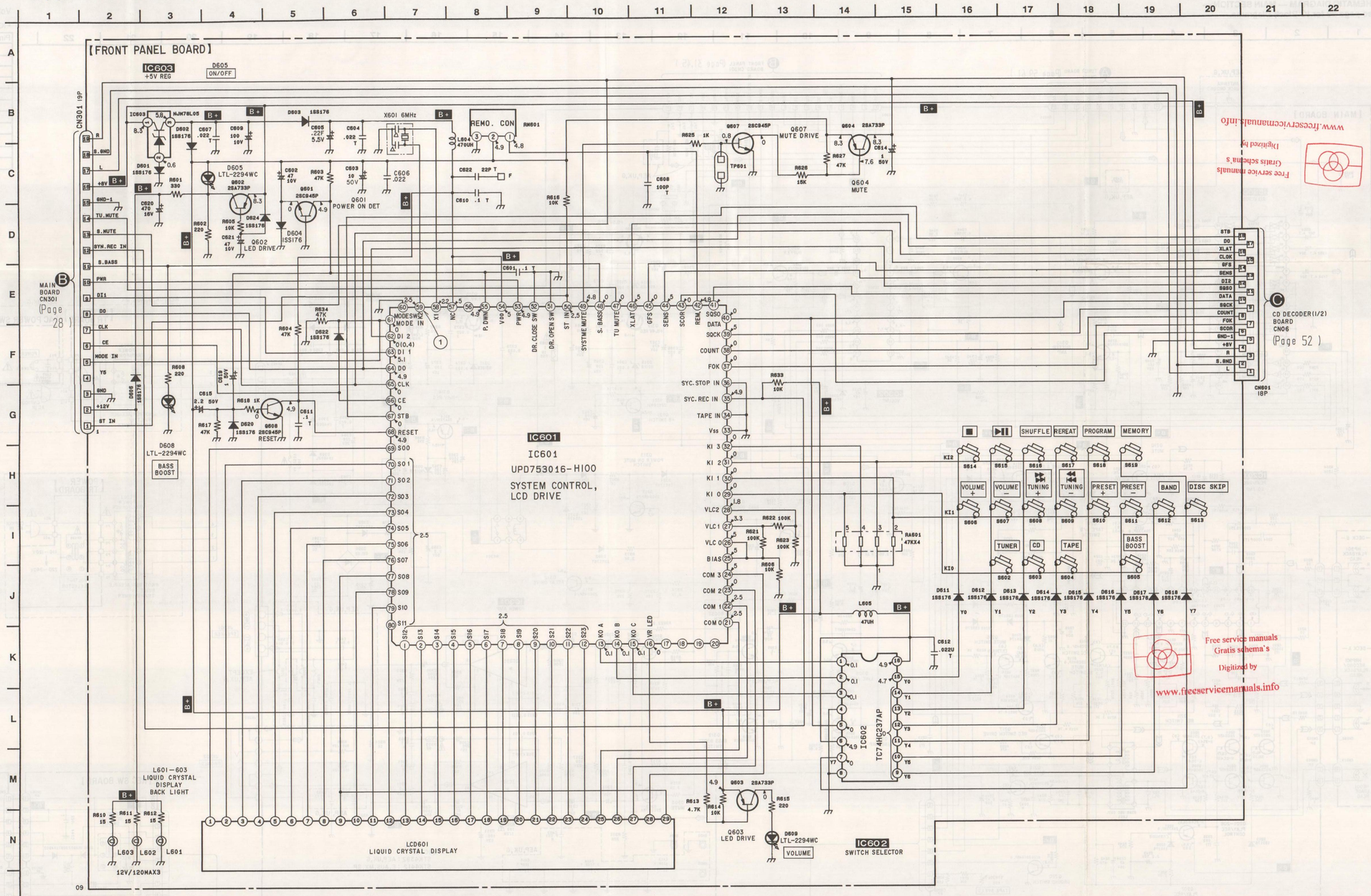
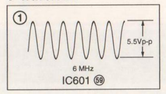
5-6. SCHEMATIC DIAGRAM — FRONT PANEL SECTION — (AEP, UK, G MODEL)

- See page 20 for IC Block Diagrams.
- See page 66 for IC Pin Function. (IC601)



• Waveform



Note:

- All capacitors are in µF unless otherwise noted. pF:µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- .XXX is an abbreviation of 0.XXX.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD
- Abbreviation
  G : German model.

• Semiconductor Location

Ref. No.	Location
D601	F-10
D602	F-10
D603	F-9
D604	D-3
D605	D-1
D606	A-4
D608	F-3
D609	D-11
D611	E-7
D612	E-7
D613	E-7
D614	E-7
D615	E-7
D616	E-7
D617	E-7
D618	D-8
D620	C-3
D622	F-6
D624	B-1
IC601	C-4
IC602	E-6
IC603	F-10
Q601	C-3
Q602	C-1
Q603	E-10
Q604	A-2
Q607	B-1
Q608	C-4

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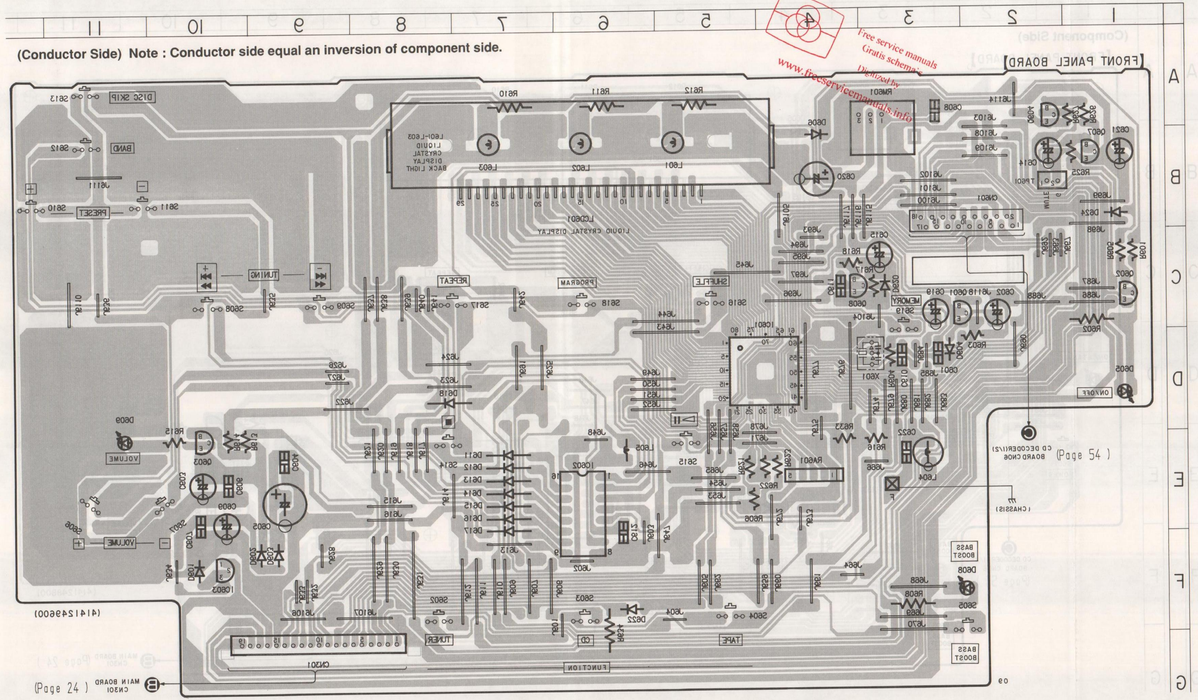
5-7. PRINTED WIRING BOARD — FRONT PANEL SECTION — (AEP, UK, G MODEL)

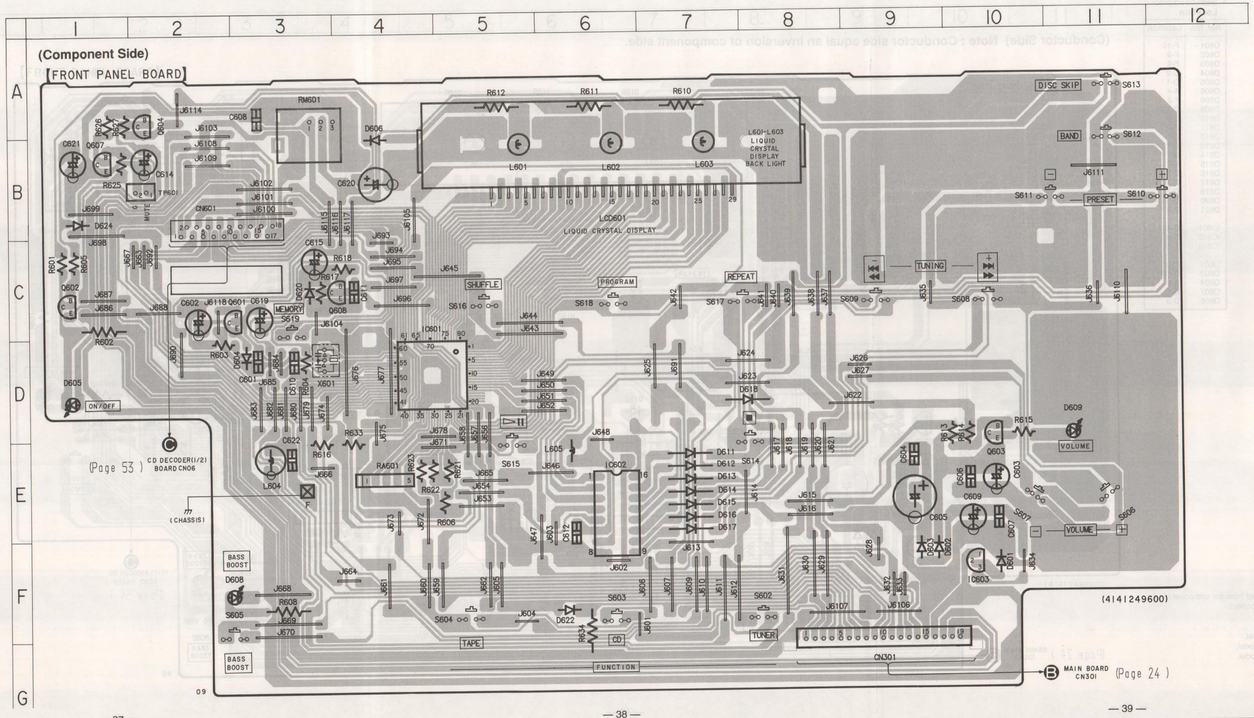
• See page 13 for Circuit Boards Location.

Note:
• ⟷ : parts extracted from the component side.
• △ : Internal component.
• Abbreviation
G : German model.

(Conductor Side) Note : Conductor side equal an inversion of component side.



(Component Side)



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ICD-H100

5-8. PRINTED WIRING BOARD — FRONT PANEL SECTION — (E, MX, SP, AUS MODEL)

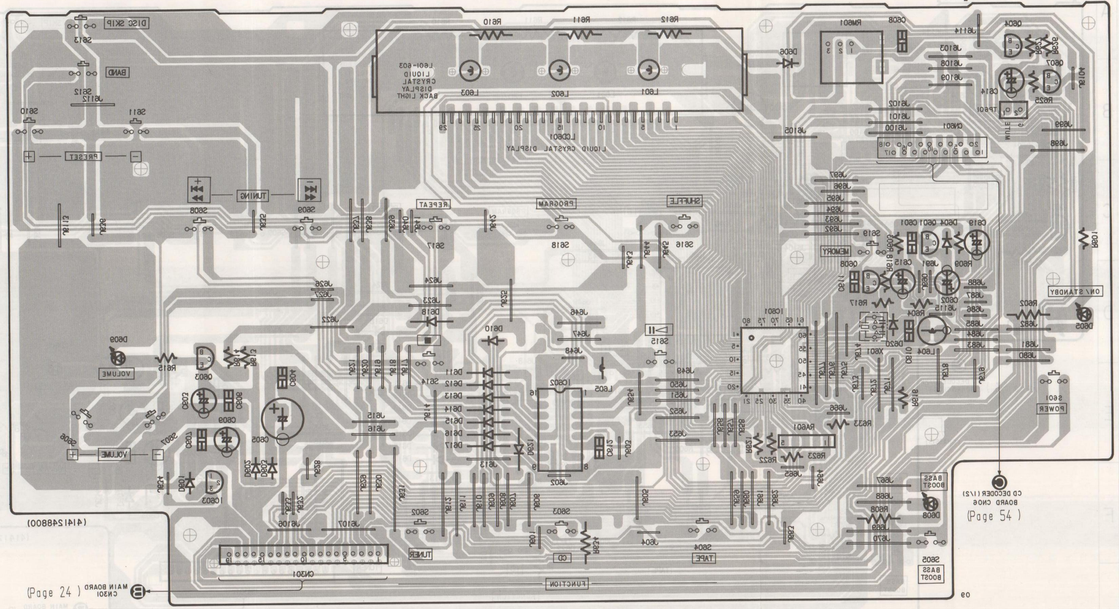
• See page 13 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
D601	F-10
D602	F-9
D603	F-9
D604	C-2
D605	D-1
D606	A-4
D608	F-2
D609	D-10
D610	D-7
D611	E-7
D612	E-7
D613	E-7
D614	E-7
D615	E-7
D616	E-7
D617	E-7
D618	D-7
D620	D-3
D621	E-6
IC601	D-4
IC602	E-6
IC603	F-10
Q601	C-2
Q603	D-10
Q604	A-2
Q607	B-1
Q608	D-3

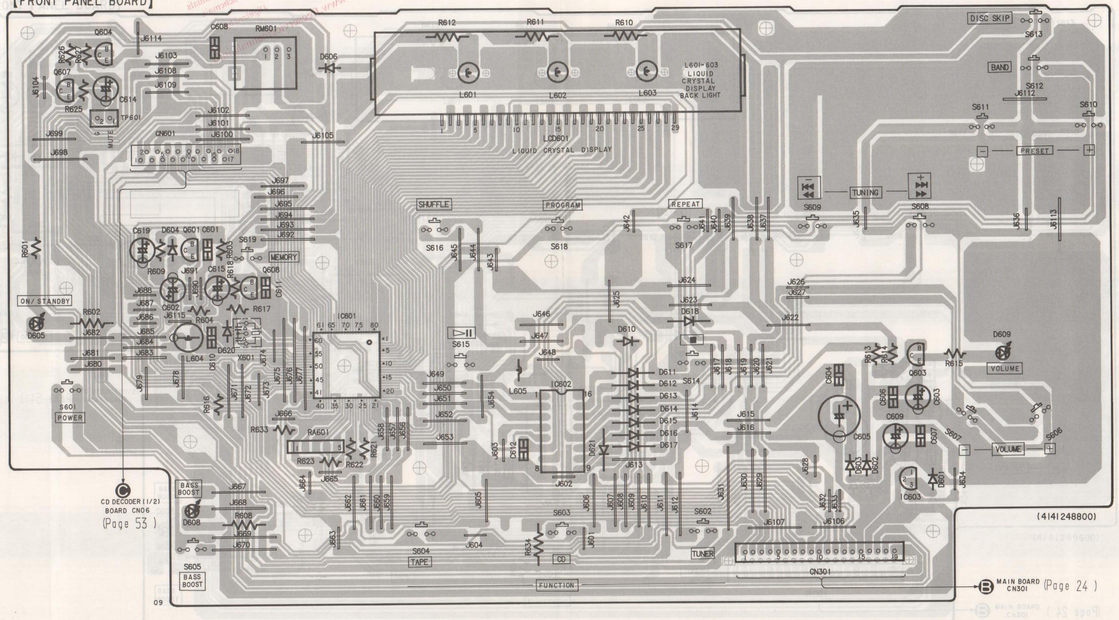
(Conductor Side) Note : Conductor side equal an inversion of component side.

【FRONT PANEL BOARD】



(Component Side)

【FRONT PANEL BOARD】



Note:
- ⟷ : parts extracted from the component side.
- △ : Internal component.

- Abbreviation
  MX : Mexican model.
  SP : Singapore model.
  AUS : Australian model.

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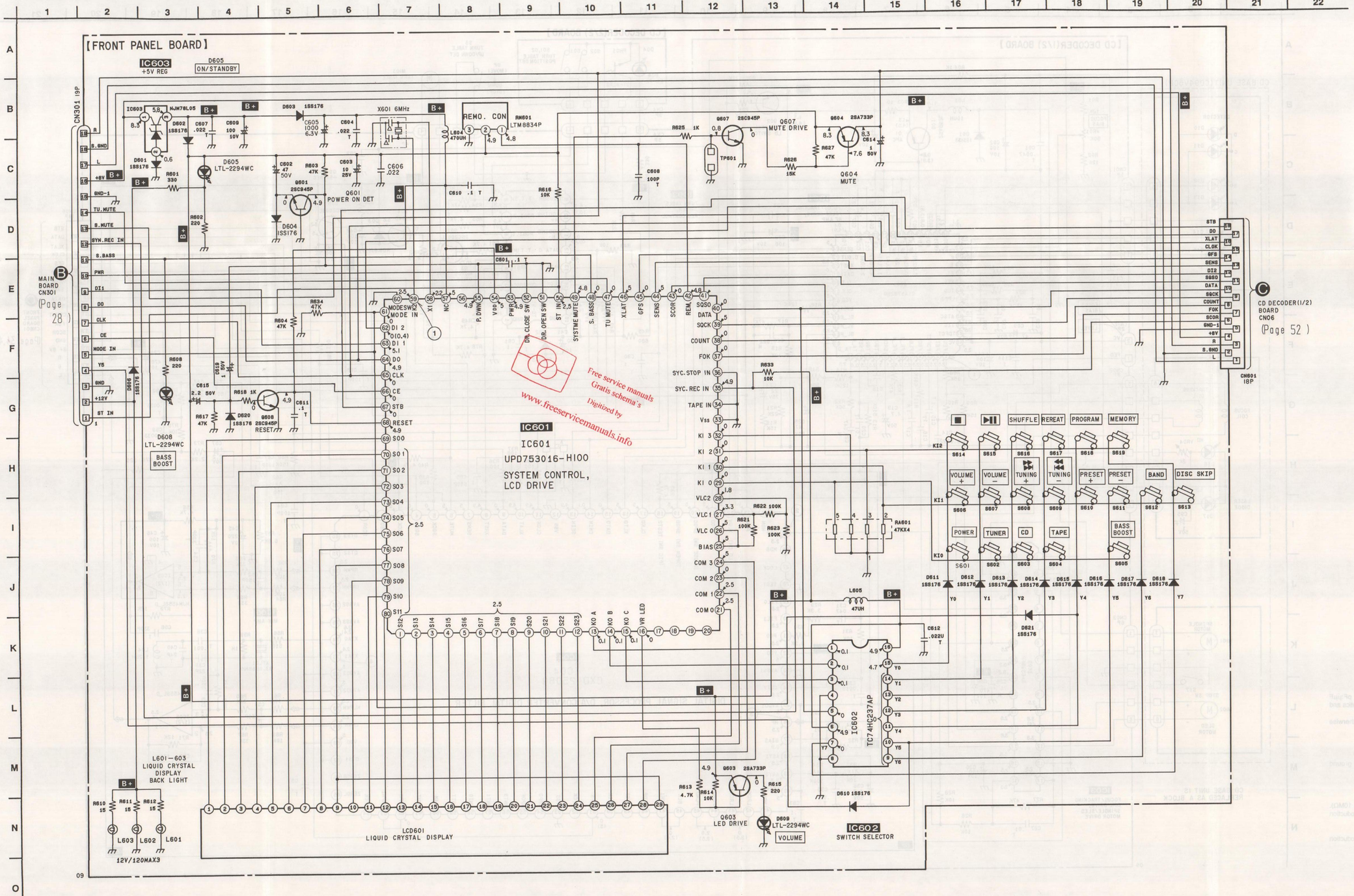
5-9. SCHEMATIC DIAGRAM — FRONT PANEL SECTION — (E, MX, SP, AUS MODEL)

- See page 20 for IC Block Diagrams.
- See page 66 for IC Pin Function. (IC601)



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Note:

- All capacitors are in µF unless otherwise noted. pF:µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- .XXX is an abbreviation of 0.XXX.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD
- Abbreviation
  MX : Mexican model.
  SP : Singapore model.
  AUS : Australian model.

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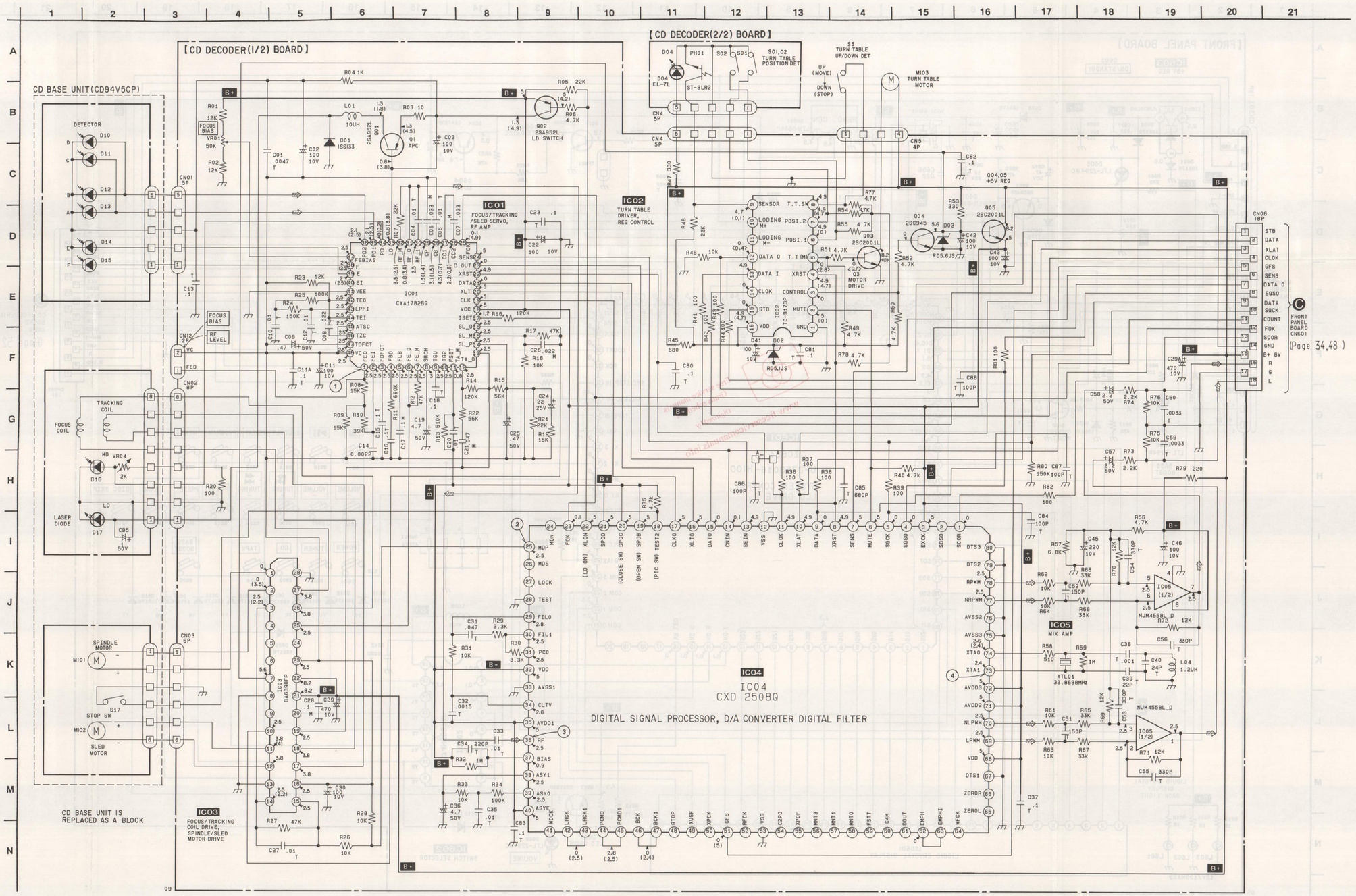
5-10. SCHEMATIC DIAGRAM — CD DECODER SECTION —

• See page 65 for IC Block Diagrams.



● **Waveformes**

① 2.5V
APPROX 200mVp-p
IC01 ① PLAY

② 2.6Vp-p
7.5 μsec
IC04 ㉕ PLAY

③ 1.3Vp-p
IC04 ㊱ PLAY

④ 0.4Vp-p
33.868 MHz
IC04 ㊸

Note:

- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- XXX is an abbreviation of 0.XXX.
- B+ : B+ Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : STOP
  ( ) : PLAY
  < > : DISC SKIP
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD

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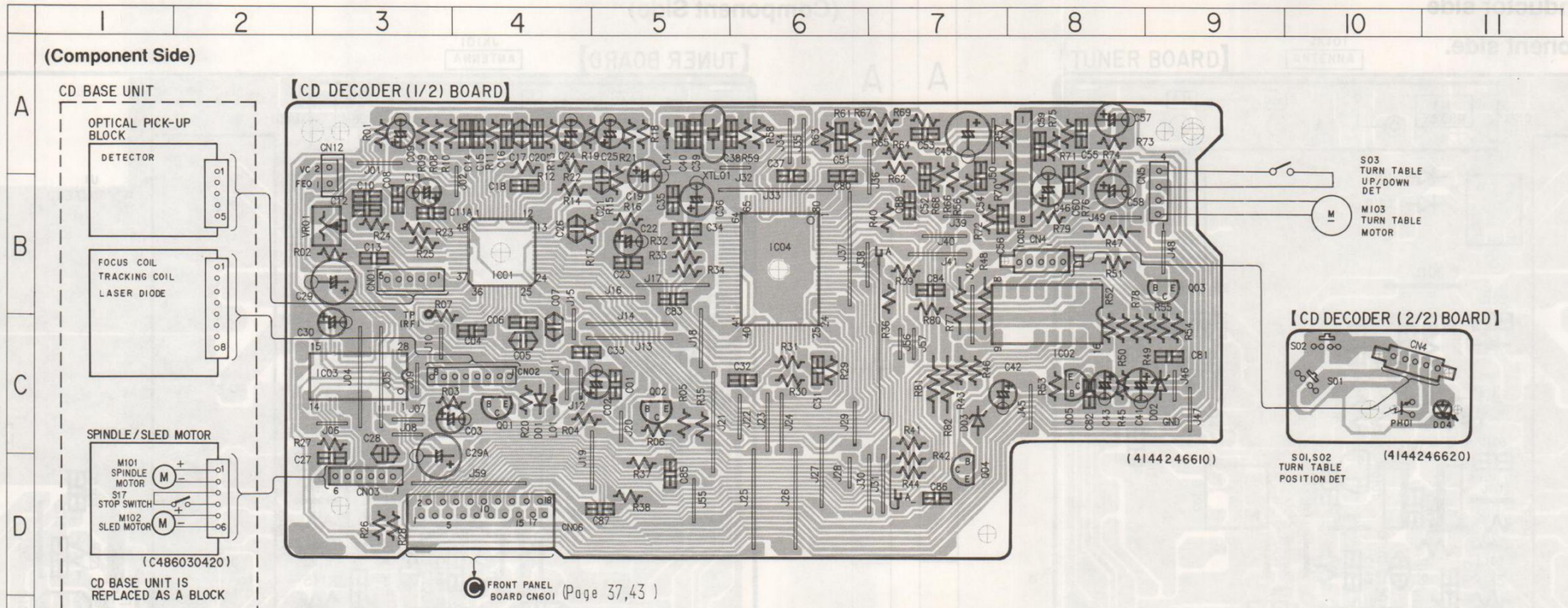
5-11. PRINTED WIRING BOARD — CD DECODER SECTION —

• See page 13 for Circuit Boards Location.

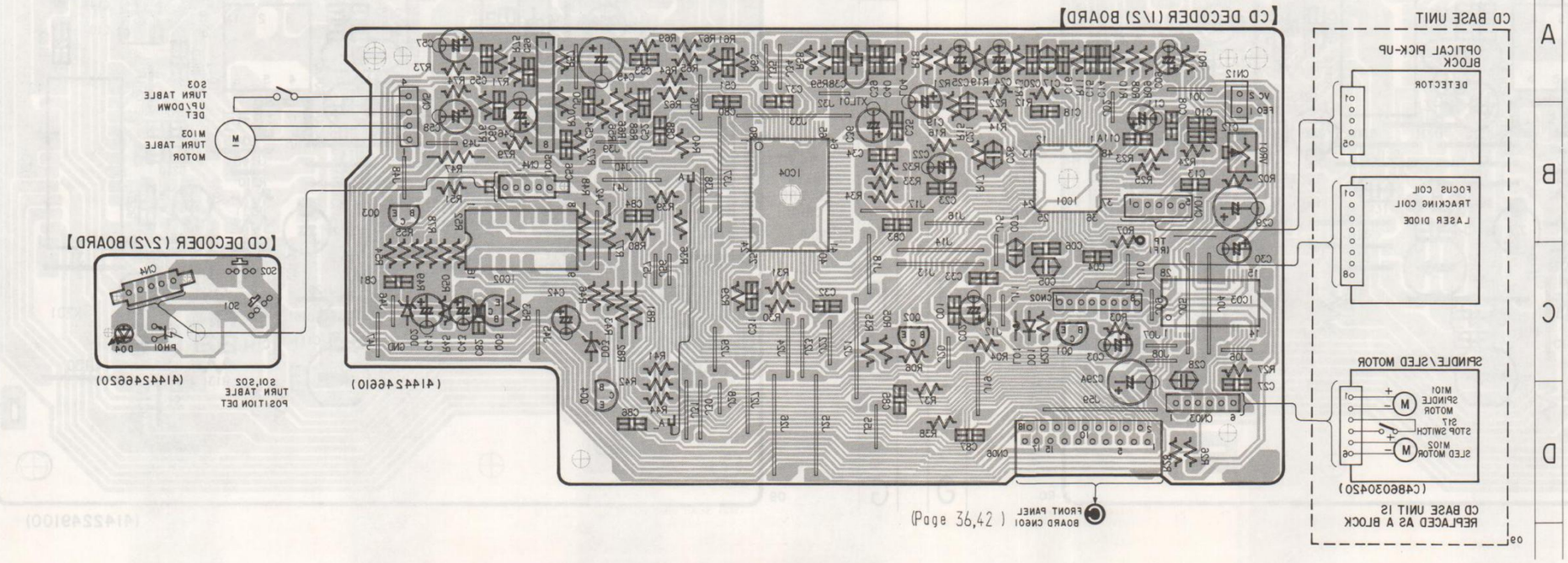
(Component Side)



• **Semiconductor Location**

Ref. No.	Location
D01	C-4
D02	C-9
D03	C-7
D04	C-9
IC01	B-4
IC02	C-8
IC03	C-3
IC04	B-6
IC05	B-8
Q01	C-4
Q02	C-5
Q03	B-9
Q04	C-7
Q05	C-8

(Conductor Side) **Note : Conductor side equal an inversion of component side.**



Note:

• ○—— : parts extracted from the component side.

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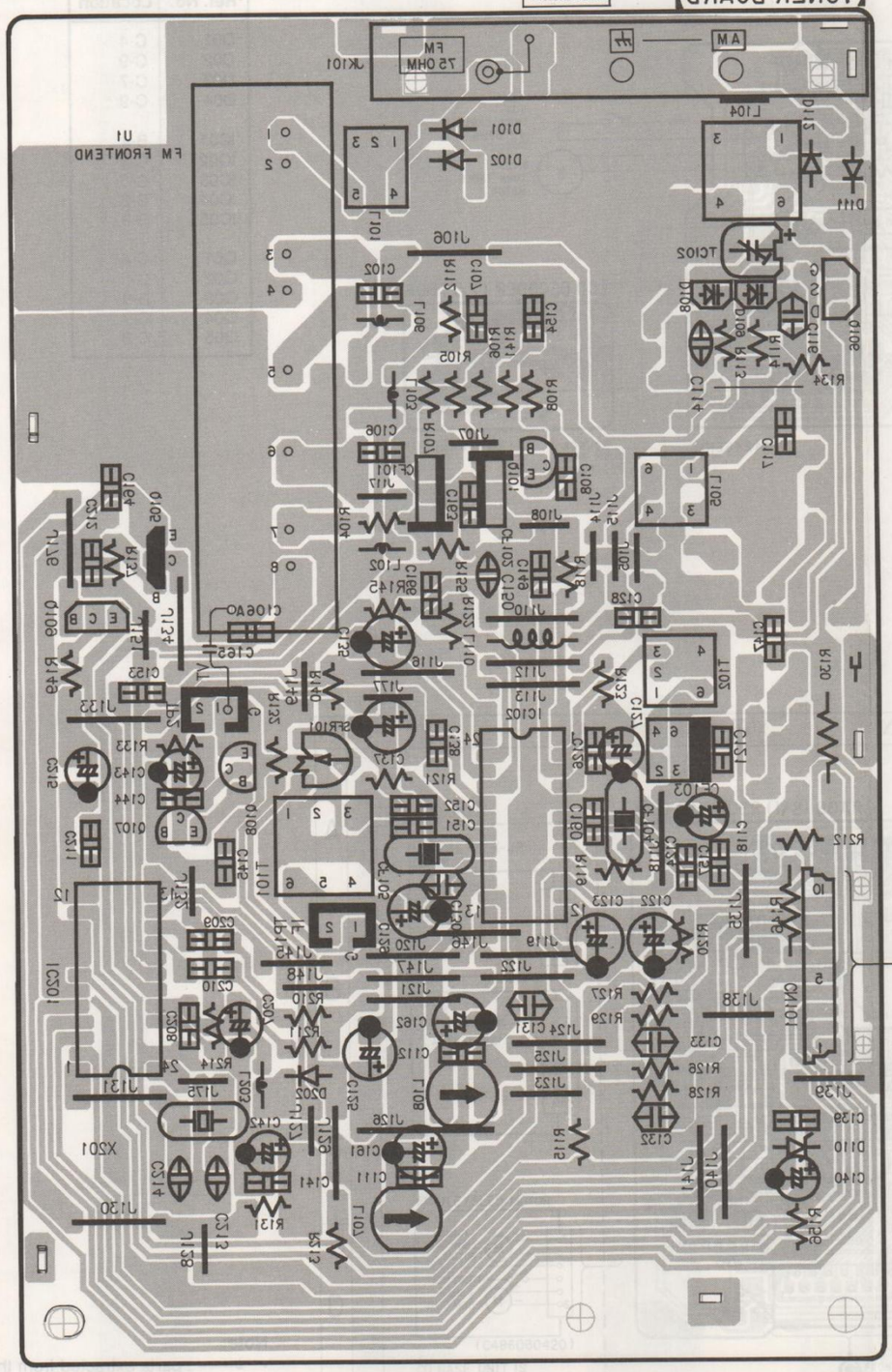
5-12. PRINTED WIRING BOARD — TUNER SECTION — (AEP, UK, G MODEL)

• See page 13 for Circuit Boards Location.

• **Semiconductor Location**

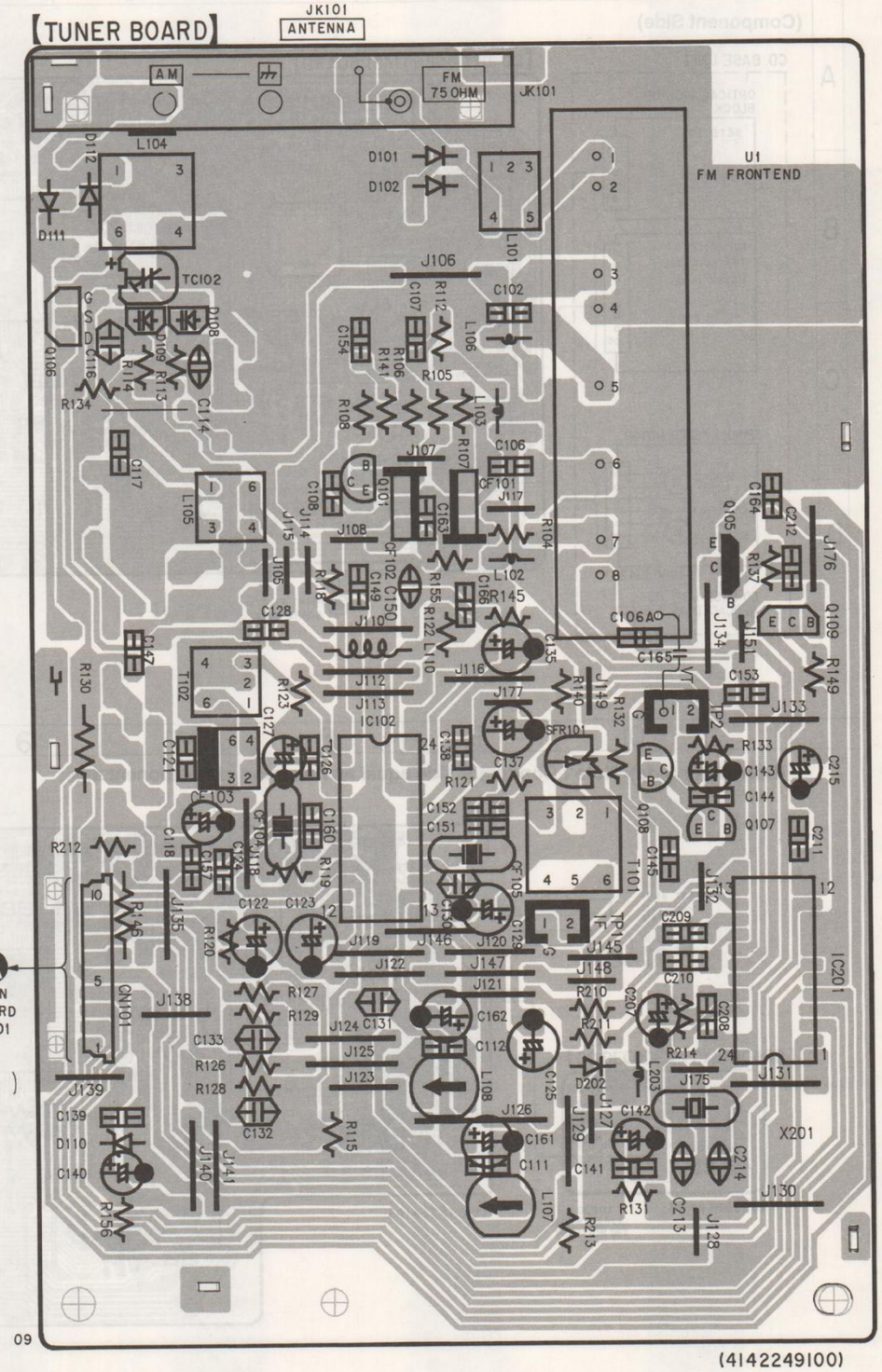
Ref. No.	Location
D101	A-3
D102	A-3
D108	B-2
D109	B-2
D110	F-1
D111	B-1
D112	A-1
D202	F-4
IC102	D-3
IC201	E-5
Q101	C-3
Q105	C-5
Q106	B-1
Q107	D-4
Q108	D-4
Q109	C-5

(Conductor Side) Note : Conductor side equal an inversion of component side.



(4142249100)

(Component Side)



(4142249100)

Note:

• Abbreviation
G : German model.

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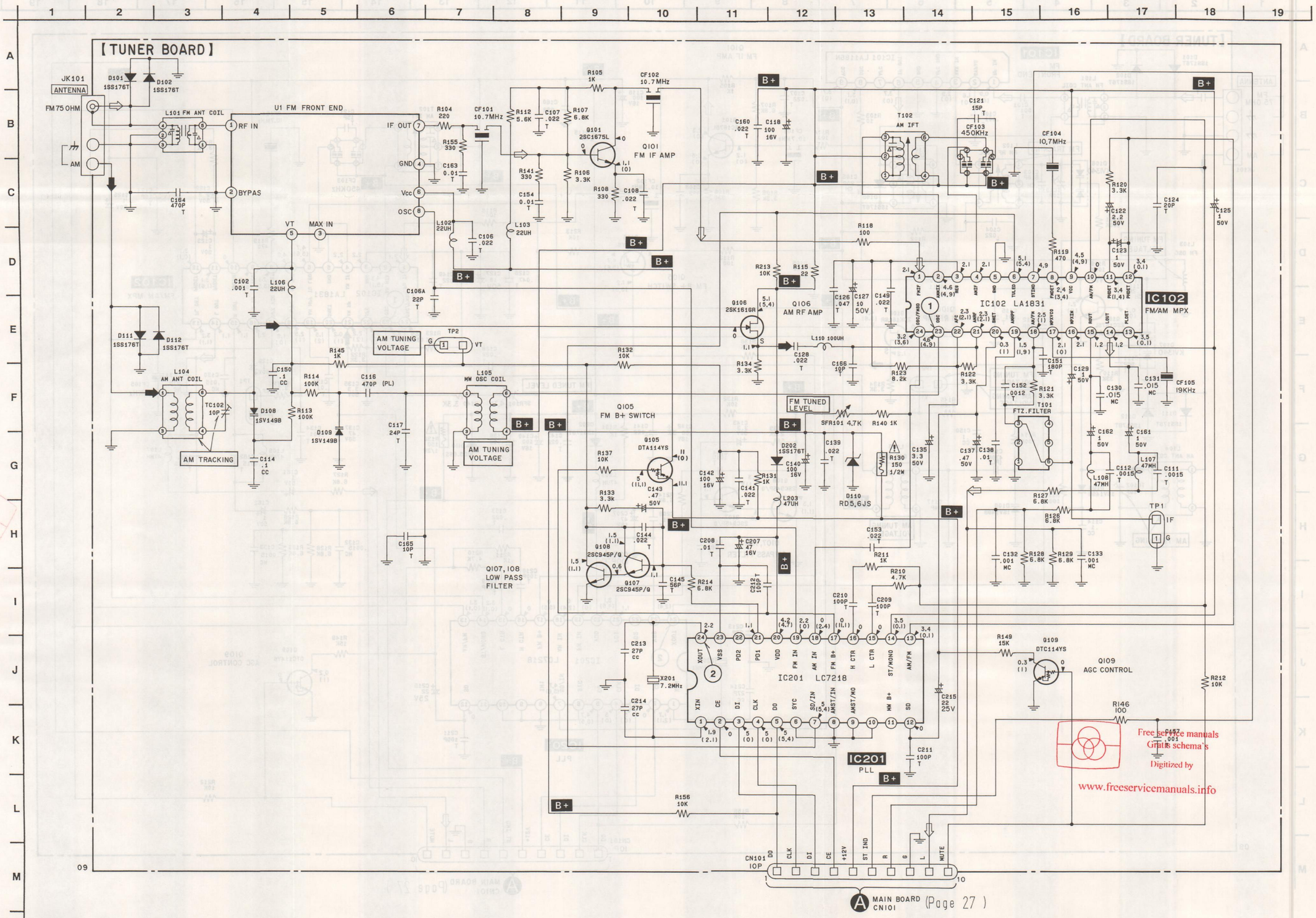
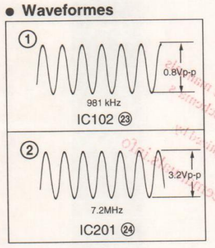
5-13. SCHEMATIC DIAGRAM — TUNER SECTION — (AEP, UK, G MODEL)

• See page 20 for IC Block Diagrams.



• **Waveformes**



Note:

- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- .XXX is an abbreviation of 0.XXX.
- △ : internal component.
- : fusible resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- B+ : B+ Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (deturned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM

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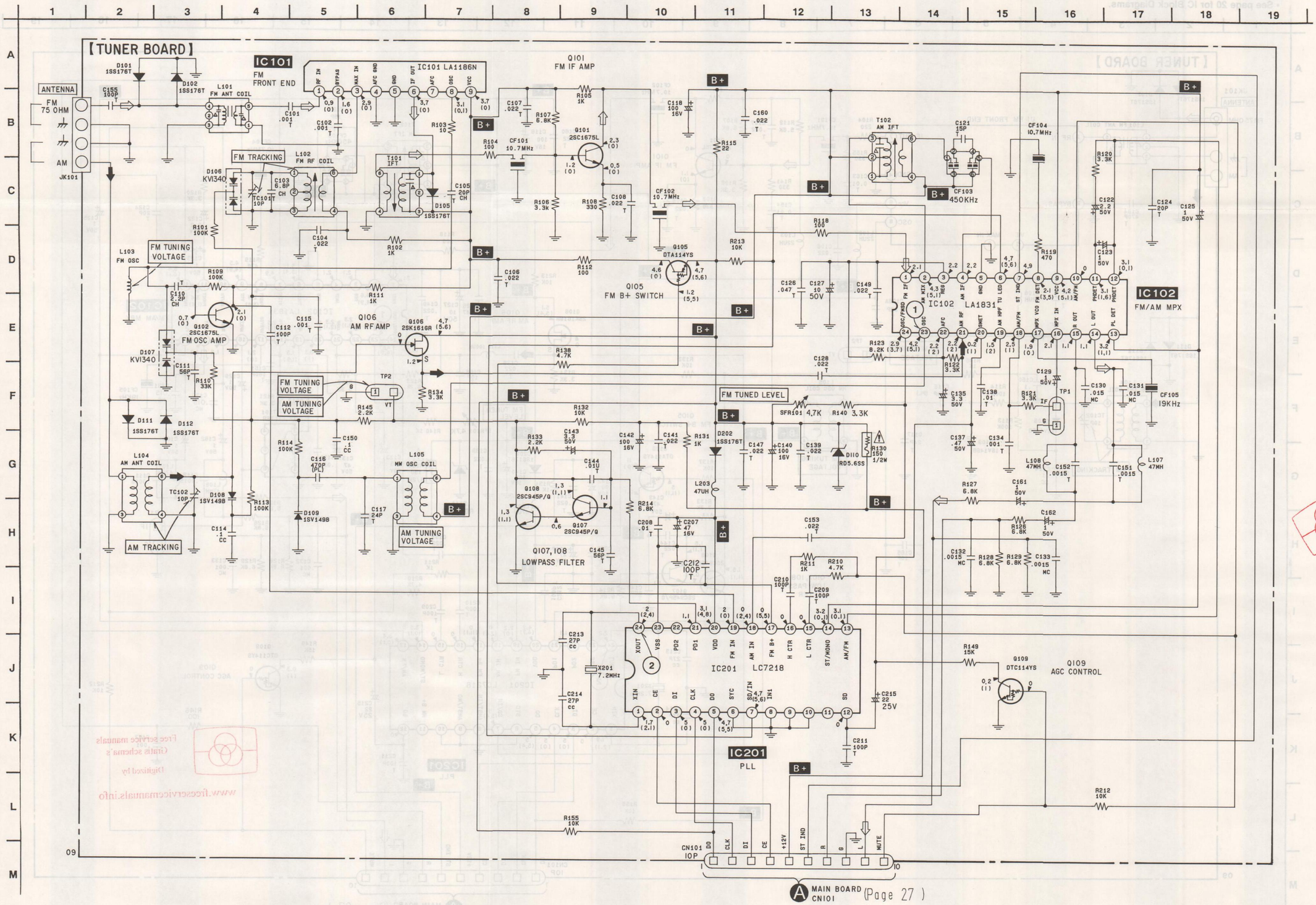
5-14. SCHEMATIC DIAGRAM — TUNER SECTION — (E, MX, SP, AUS MODEL)

• See page 20 for IC Block Diagrams.



Note:

- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- .XXX is an abbreviation of 0.XXX.
- : fusible resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- B+ : B+ Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (deturned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : AM
- Abbreviation
  MX : Mexican model.
  SP : Singapore model.
  AUS : Australian model.

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5-15. PRINTED WIRING BOARD — TUNER SECTION — (E, MX, SP, AUS MODEL)

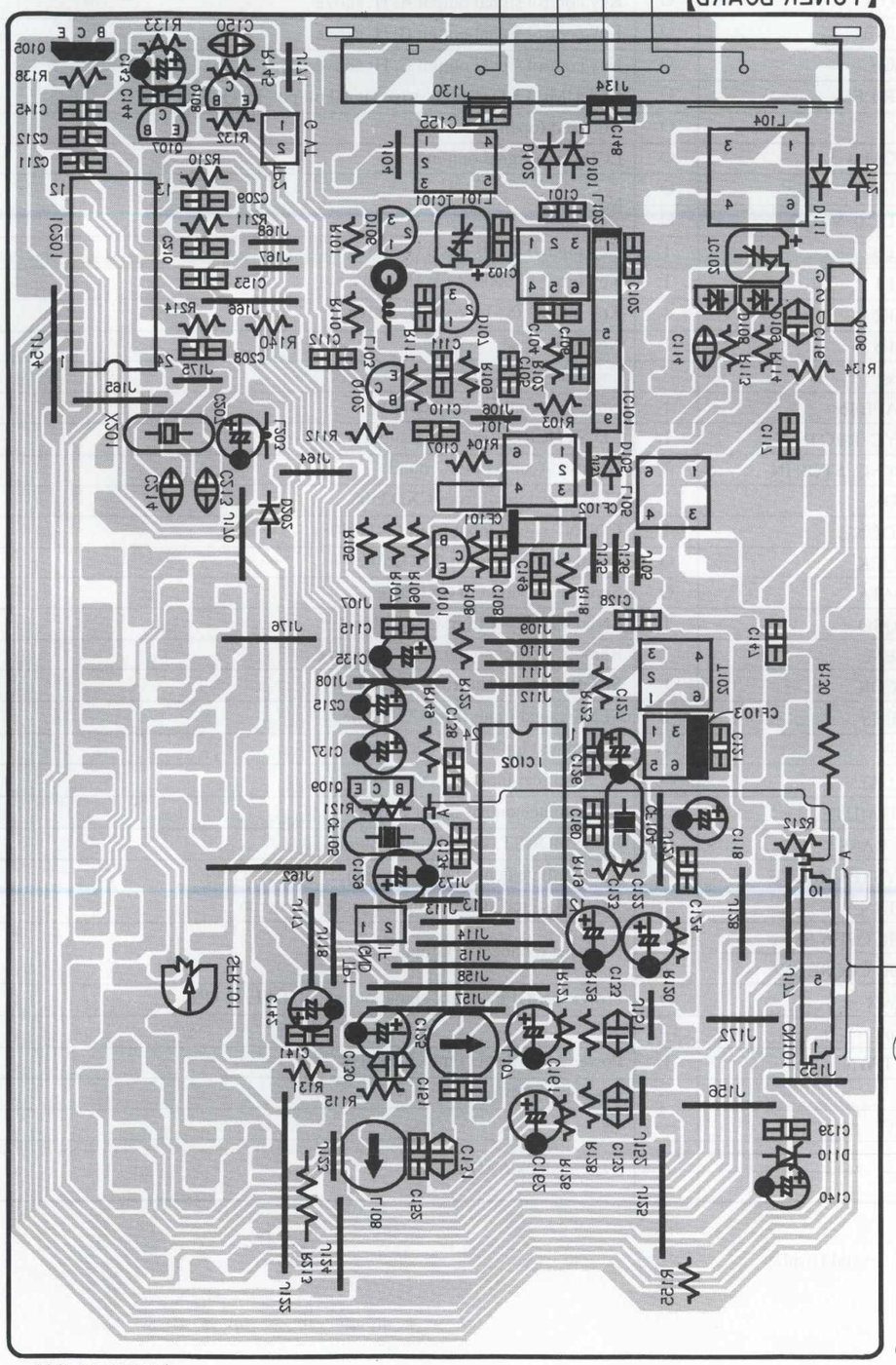
• See page 13 for Circuit Boards Location.

Note:
- Abbreviation

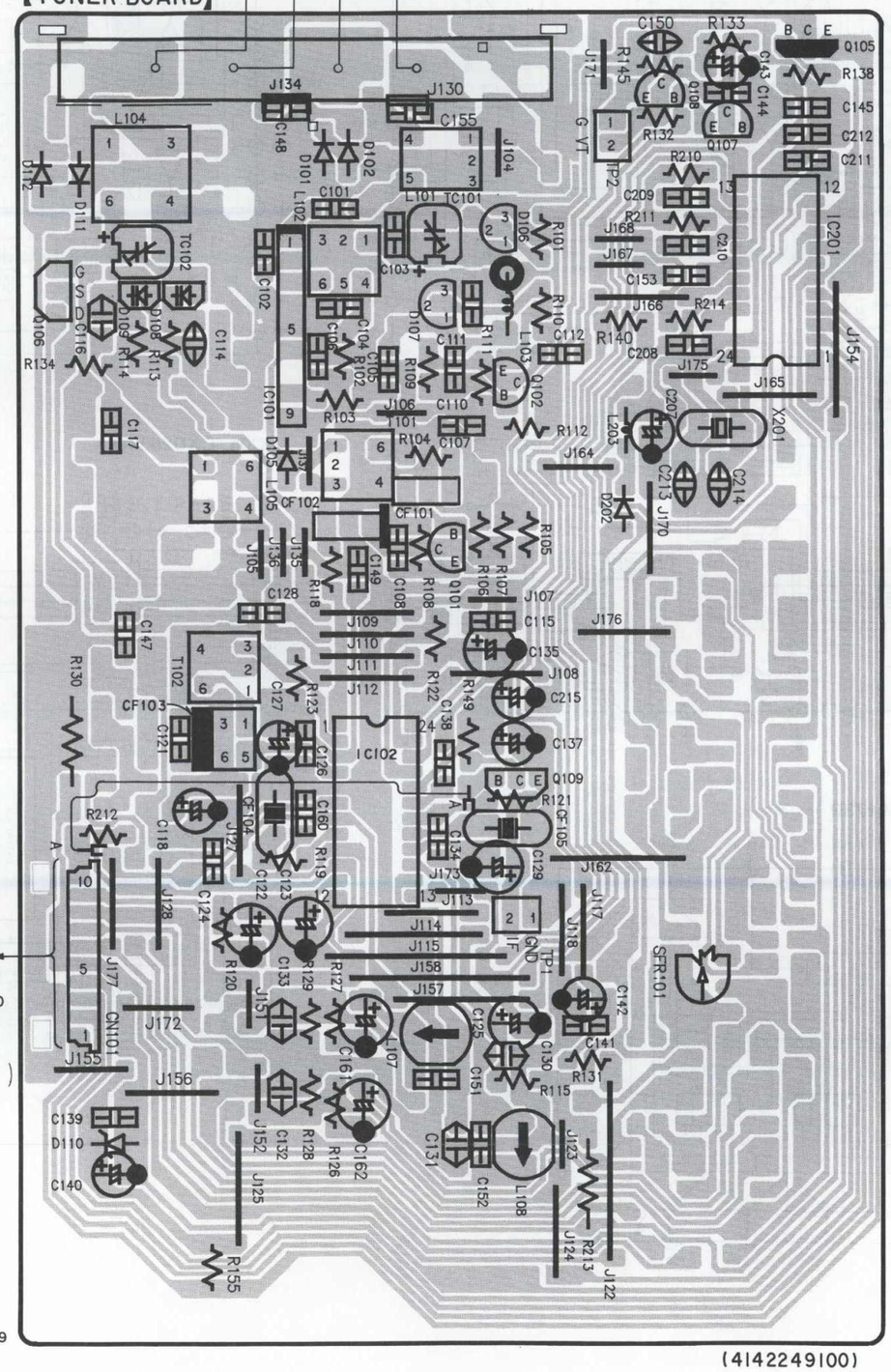
MX : Mexican model.
SP : Singapore model.
AUS : Australian model.

(Conductor Side)

Note : Conductor side equal an inversion of component side.



(Component Side)



• Semiconductor Location

Ref. No.	Location
D101	B-2
D102	B-3
D105	C-2
D106	B-3
D107	C-3
D108	C-2
D109	C-2
D110	F-1
D111	B-1
D112	B-1
D202	C-4
IC101	C-2
IC102	E-3
IC201	B-5
Q101	D-3
Q102	C-3
Q105	A-5
Q106	C-1
Q107	B-4
Q108	B-4
Q109	E-4

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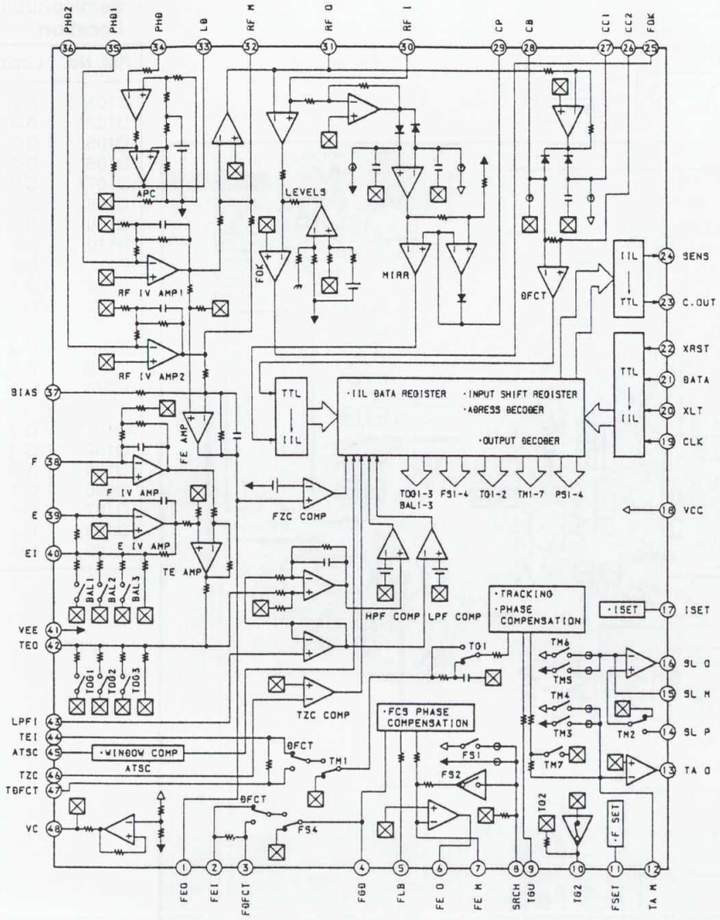
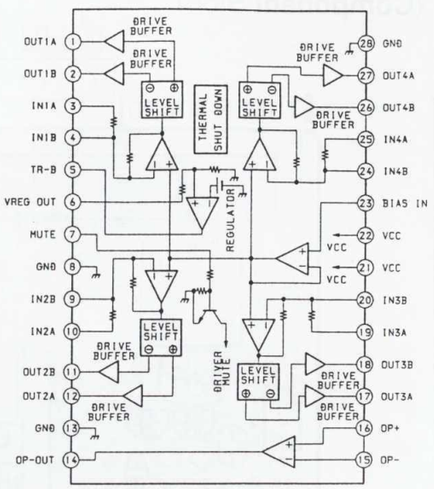
5-16. IC BLOCK DIAGRAMS — CD DECODER SECTION —

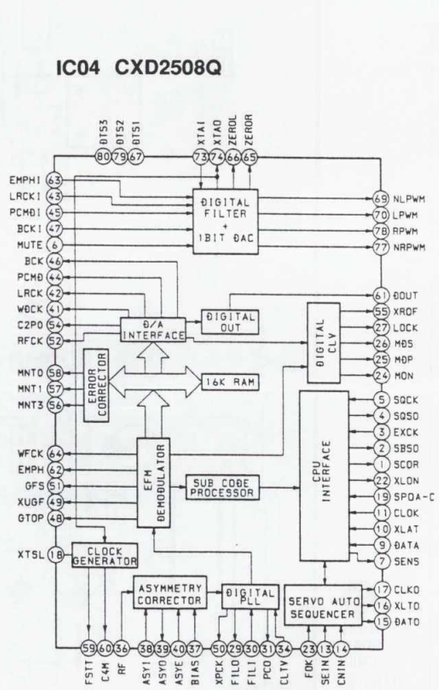
IC01 CXA1782BQ



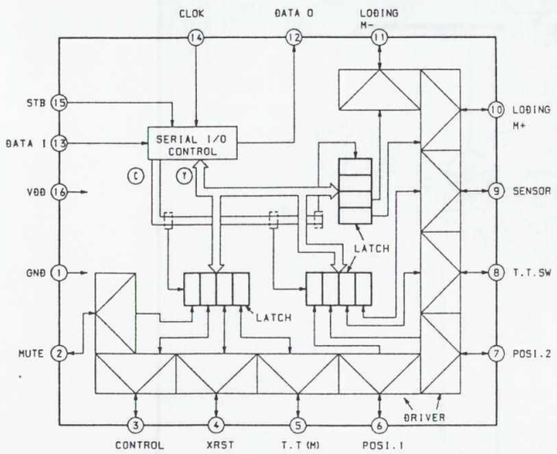
IC03 BA6398FP



IC04 CXD2508Q



IC02 TC-9173P



5-17. IC PIN FUNCTION

• IC601 System Control, LCD Drive (μPD753016-H100)

Pin No.	Pin Name	I/O	Function
1 to 12	S12–S23	O	Segment output to LCD.
13	KO A	O	Key control signal output A. H: active
14	KO B	O	Key control signal output B. H: active
15	KO C	O	Key control signal output C. H: active
16	VR LED	O	VOLUME LED (D609) drive signal output. H: OFF, L: ON
17 to 20	–	O	Not used (open)
21 to 24	COM 0–3	O	LCD drive signal output.
25	BIAS	O	Not used
26 to 28	VLC 0–VLC 2	O	
29	KI 0	I	Key input 0 (S601–605) H: active
30	KI 1	I	Key input 1 (S606–613) H: active
31	KI 2	I	Key input 2 (S614–619) H: active
32	KI 3	I	Not used
33	Vss	—	Ground
34	TAPE IN	I	Not used (connect to Ground)
35	SYC. REC IN	I	CD SYNCRO REC signal input. L: active
36	SYNC. STOP IN	I	Not used (connect to Ground)
37	FOK	I	FOK signal input from CXD2508.
38	COUNT	I	COUNT signal input from CXD2508.
39	SQCK	O	Serial clock output to CXD2508.
40	DATA	O	Serial data output to CXD2508.
41	SQSO	I	Serial data input from CXD2508.
42	REM.	I	Remote control signal input. L: active
43	SCOR	I	SCOR signal input from CXD2508.
44	SENS	I	SENS signal input from CXD2508.
45	GFS	I	GFS signal input from CXD2508.
46	XLAT	O	XLAT signal input to CXD2508.
47	TU MUTE	O	Tuner mute control signal output.
48	S. BASS	O	BASS BOOST control signal output.
49	SYSTEM MUTE	O	System mute control signal output. H: ON, L: OFF
50	ST IN	I	FM/AM stereo signal input. H: mono, L: stereo
51	DR. OPEN SW	I	Not used (connect to Ground)
52	DR. CLOSE SW	I	
53	PWR	O	Power ON/OFF control signal output. H: OFF, L: ON
54	V_{DD}	—	+5V
55	P. DWN	I	Power down detect input. L: active
56	–	—	Not used (open)
57	NC	—	+5V
58	X1	—	System clock 6 MHz.
59	X2	—	

• Abbreviation
LCD : Liquid Crystal Display

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Pin No.	Pin Name	I/O	Function
60	MODE SW	—	Not used (connect to Ground)
61	MODE IN	I	AM STEP SWITCH (S401) select signal input.
62	DI 2	I	Serial data input from TC9173P.
63	DI 1	I	Serial data input from LC7218, LC7821.
64	DO	O	Serial data output to TC9173P, LC7218, LC7821, LC7535.
65	CLK	O	Serial clock output to TC9173P, LC7218, LC7821, LC7535.
66	CE	O	Chip enable output to TC9173P, LC7218, LC7821, LC7535.
67	STB	O	STB signal output to TC9173P, LC7218, LC7821, LC7535.
68	RESET	I	Reset input. L: active
69 to 80	S00–S11	O	Segment output to LCD.

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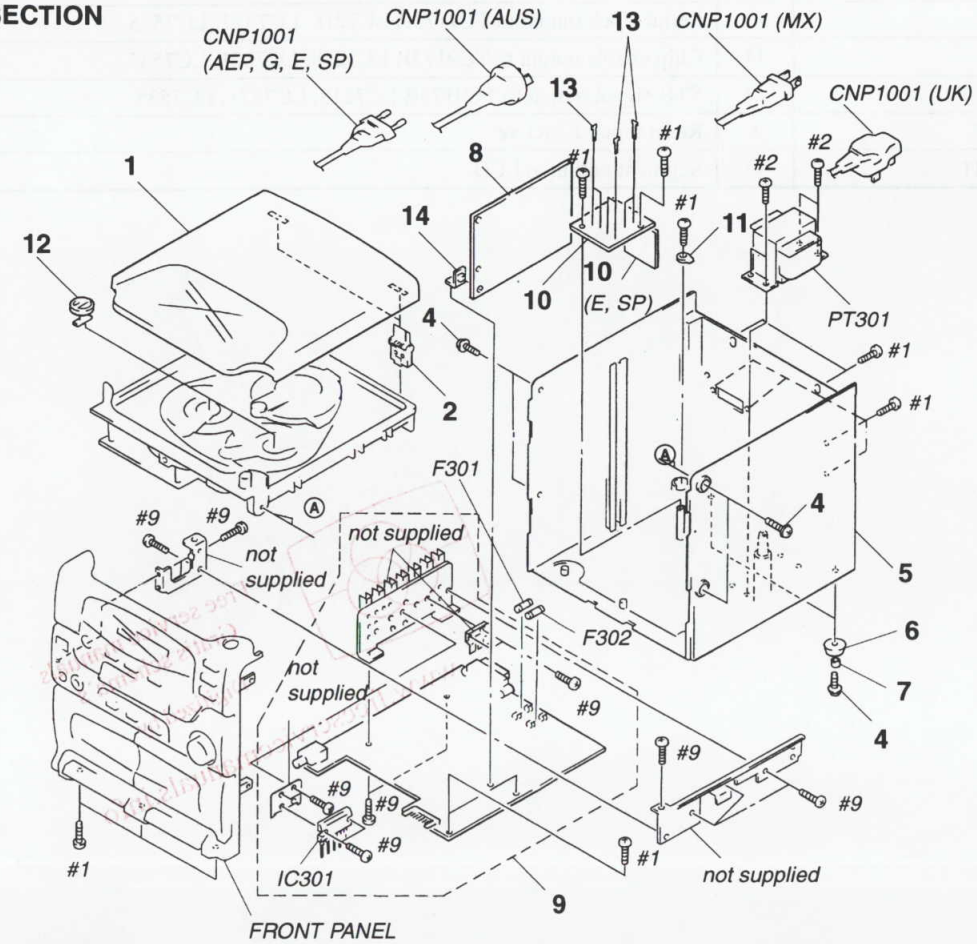
SECTION 6
EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  G : German model
  MX : Mexican model
  SP : Singapore model
  AUS : Australian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	4-980-860-01	COVER, DUST	
2	A-4384-032-A	HING ASSY	
4	3-363-099-01	SCREW (CASE 3 TP2)	
5	4-980-858-11	CABINET, BOTTOM (AEP,G)	
5	4-980-858-21	CABINET, BOTTOM (UK)	
5	4-980-858-41	CABINET, BOTTOM (E,SP)	
5	4-980-858-51	CABINET, BOTTOM (AUS)	
5	4-980-858-61	CABINET, BOTTOM (MX)	
6	4-980-862-01	FOOT	
7	4-980-863-01	HOLDER, FOOT	
* 8	A-4390-685-A	TUNER BOARD, COMPLETE (E,AUS,MX,SP)	
* 8	A-4390-689-A	TUNER BOARD, COMPLETE (AEP,UK,G)	
* 9	A-4386-203-A	MAIN BOARD, COMPLETE (E)	
* 9	A-4386-204-A	MAIN BOARD, COMPLETE (AUS)	
* 9	A-4386-205-A	MAIN BOARD, COMPLETE (SP)	
* 9	A-4386-206-A	MAIN BOARD, COMPLETE (MX)	
* 9	A-4386-207-A	MAIN BOARD, COMPLETE (AEP,UK,G)	

Ref. No.	Part No.	Description	Remark
* 10	1-712-585-11	POWER TR BOARD (Supplied with REC SW board and AC POWER SW board together)	
11	4-982-286-01	AC CORD WASHER	
12	4-980-861-01	LOCK, TRANSIT	
13	1-535-416-00	TERMINAL	
* 14	4-983-486-01	HINGE (BH-6), PCB	
⚠CNP1001	1-551-188-XX	CORD, POWER (MX)	
⚠CNP1001	1-555-750-00	CORD, POWER (AEP,G,E,SP)	
⚠CNP1001	1-696-966-11	CORD, POWER (AUS)	
⚠CNP1001	1-751-535-11	CORD, POWER (UK)	
⚠F301	1-532-350-00	FUSE, TIME-LAG (4A 250V)	
⚠F302	1-532-203-00	FUSE, TIME-LAG (2A 250V)	
IC301	8-749-943-92	IC STK4392 (AEP,UK,G)	
IC301	8-749-920-14	IC STK4412 (E,AUS,MX,SP)	
⚠PT301	1-429-693-11	TRANSFORMER, POWER (AEP,UK,G)	
⚠PT301	1-429-694-11	TRANSFORMER, POWER (E,SP)	
⚠PT301	1-429-695-11	TRANSFORMER, POWER (AUS)	
⚠PT301	1-429-705-11	TRANSFORMER, POWER (MX)	

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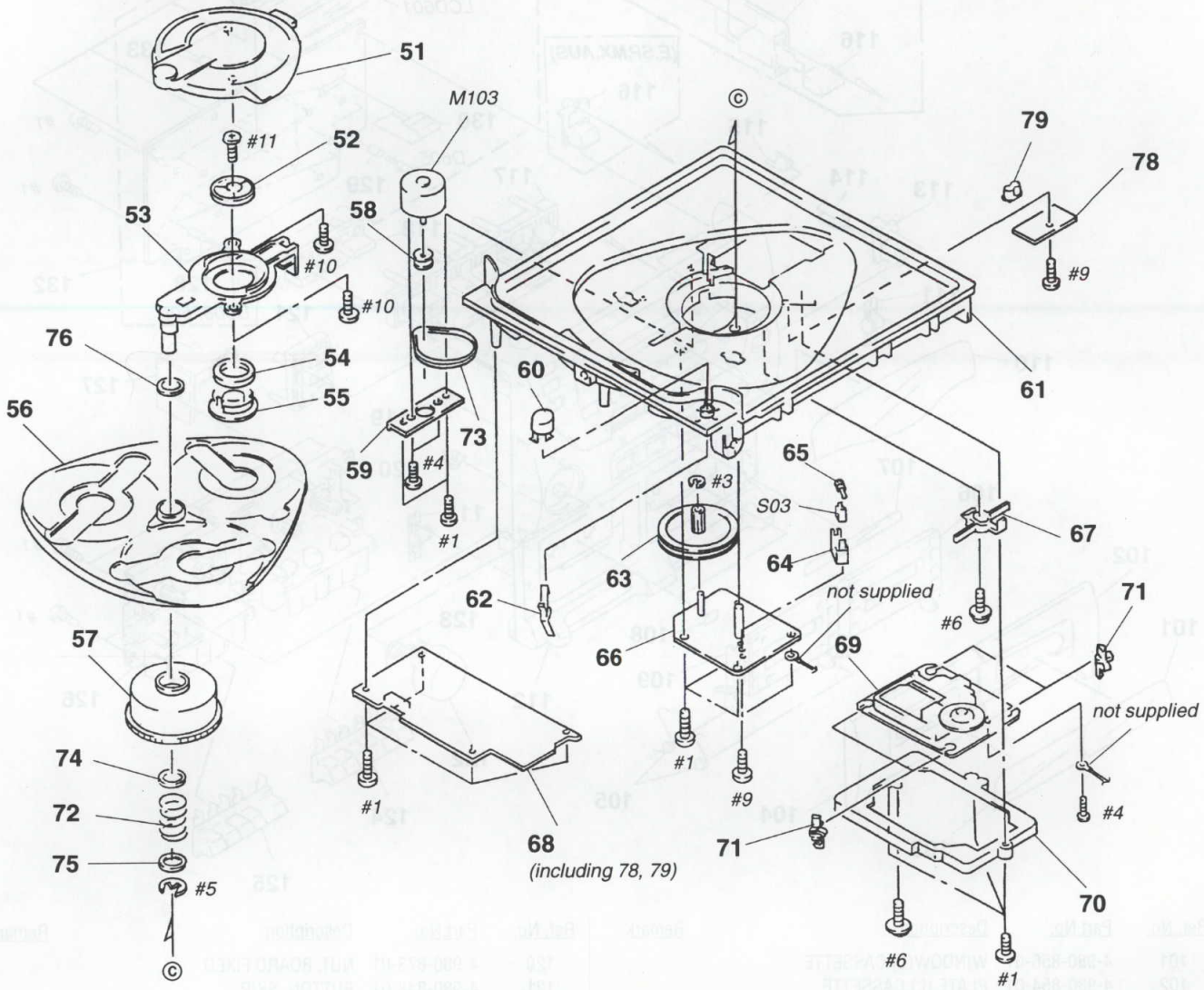
6-2. CD DECK SECTION



Ref. No.	Part No.	Description	Remark
51	4-980-881-01	COVER, CD ARM	
52	4-980-886-01	COVER, MAGNET	
53	A-4384-029-A	ARM ASSY	
54	4-980-885-01	MAGNET	
55	4-980-887-01	HOLDER, MAGNET	
56	4-980-880-01	TURNTABLE	
57	4-980-894-01	GEAR, CAM	
58	4-980-895-01	PULLEY, MOTOR	
* 59	4-980-898-01	BRACKET, MOTOR	
60	4-980-879-01	KNOB, EJECT	
61	4-980-878-01	BASE, CHANGER	
62	4-980-882-01	LEVER, EJECT	
63	4-980-896-01	WHEEL	
64	4-980-897-01	BOX, SW	
65	4-980-884-01	PIN, SW	

Ref. No.	Part No.	Description	Remark
* 66	A-4384-027-A	MOUNTING ASSY BOARD, COMPLETE	
67	4-980-889-01	PLATE, GUIDE	
* 68	A-4390-027-A	CD DECODER BOARD, COMPLETE	
69	1-473-661-11	BASE UNIT, CD	
* 70	4-980-883-01	HOLDER, CD DECK	
71	4-980-899-01	HOLDER, CUSHION	
72	4-980-890-01	SPRING , CLUTCH	
73	4-980-891-01	BELT	
74	4-980-893-01	WASHER, POLYETHYLENE	
75	4-980-888-01	WASHER	
76	4-980-892-01	WASHER, POLYETHYLENE	
* 78	1-712-586-11	CD DECODER BOARD	
* 79	4-981-633-01	2 LED HOLDER	
M103	1-698-750-11	MOTOR (TURN TABLE)	
S03	1-762-682-11	SWITCH, LEAF (TURN TABLE UP/DOWN DET)	

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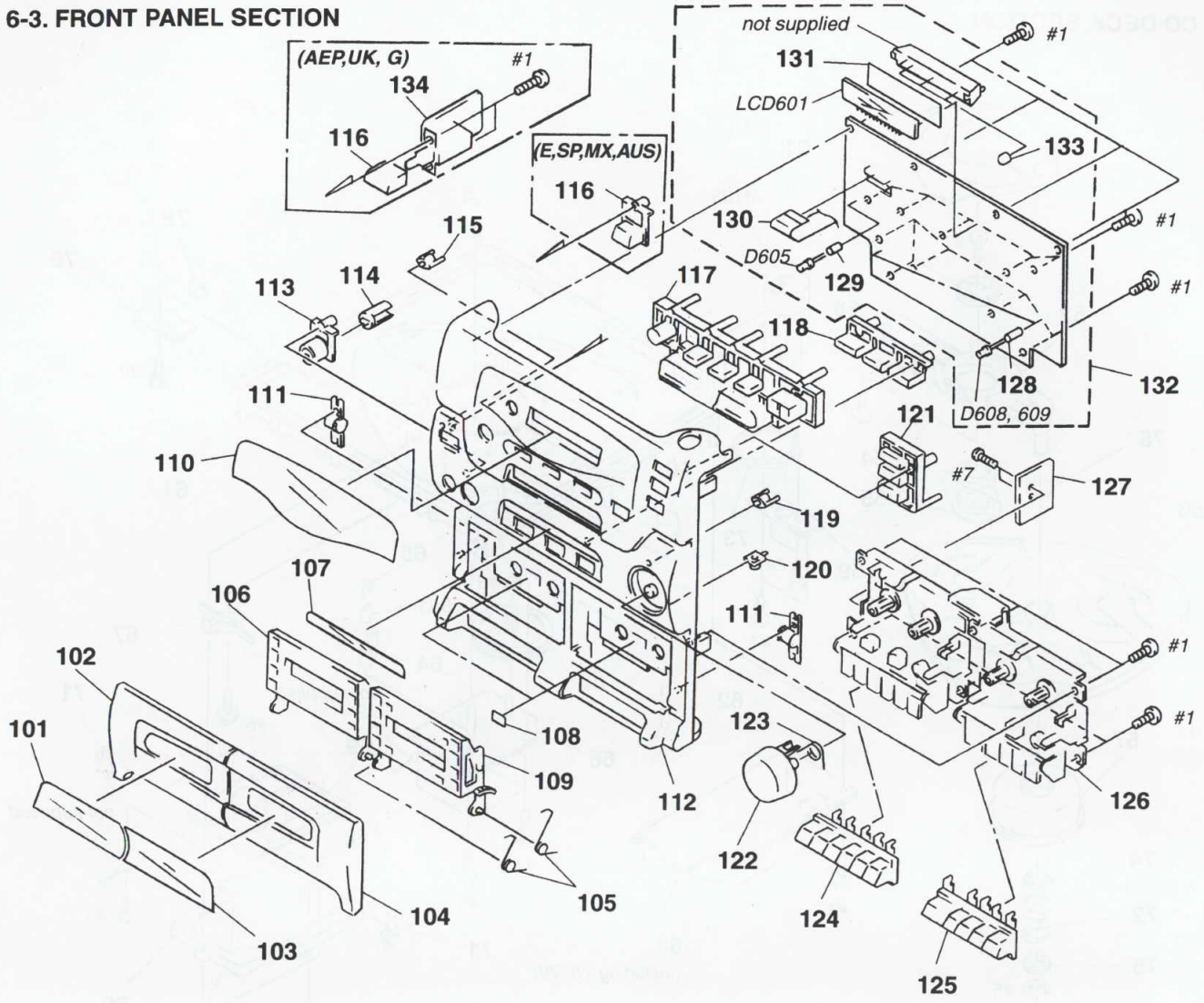
6-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	4-980-856-01	WINDOW(L),CASSETTE	
102	4-980-854-01	PLATE (L),CASSETTE	
103	4-980-855-01	WINDOW(R),CASSETTE	
104	4-980-853-01	PLATE (R),CASSETTE	
105	4-980-876-01	SPRING, DOOR	
106	4-980-868-01	DOOR (L),CASSETTE	
107	4-980-859-01	WINDOW, FUNCTION	
108	4-980-872-01	MIRROR	
109	4-980-869-01	DOOR (R),CASSETTE	
110	4-980-847-01	WINDOW, TUNING (AEP,UK,G)	
110	4-980-847-11	WINDOW, TUNING (E,AUS,MX,SP)	
111	4-980-875-01	DAMPER GEAR	
112	4-980-867-01	ESCUTCHEON, FRONT (E,AUS,MX,SP)	
112	4-980-867-11	ESCUTCHEON, FRONT (AEP,UK,G)	
113	4-980-851-01	BUTTON,BASS BOOST	
114	4-980-871-01	LENS, P.BASS	
115	4-980-870-01	LENS, POWER	
116	4-980-850-01	BUTTON, POWER (E,AUS,MX,SP)	
116	4-983-488-01	BUTTON, POWER (AEP,UK,G)	
117	4-980-849-01	BUTTON,CD CONTROL	
118	4-980-852-01	BUTTON, FUNCTION	
119	4-981-803-01	LENS, VOLUME	

Ref. No.	Part No.	Description	Remark
120	4-980-873-01	NUT, BOARD FIXED	
121	4-980-848-01	BUTTON, SKIP	
122	4-980-874-01	KNOB, VOLUME	
123	4-980-877-01	SPRING, VOLUME	
124	4-980-900-01	CASSETTE BUTTON (A)	
125	4-980-906-01	CASSETTE BUTTON (B)	
* 126	1-759-233-11	DECK, MECHANICAL	
* 127	1-712-585-11	REC SW BOARD	(Supplied with POWER TR BOARD and AC POWER SW board together)
128	4-980-831-01	HOLDER, LED	
129	4-980-830-01	HOLDER, LED	
130	1-773-075-11	WIRE (FLAT TYPE)(18 CORE)	
131	4-980-828-01	PLATE, DISPLAY	
* 132	A-4390-686-A	FRONT PANEL BOARD, COMPLETE(E,AUS,MX,SP)	
* 132	A-4390-690-A	FRONT PANEL BOARD, COMPLETE(AEP,UK,G)	
133	4-980-832-01	COVER, LED	
* 134	1-712-585-11	AC POWER SW BOARD	(Supplied with REC SW board and POWER TR board together)(AEP, UK, G)
D605	8-719-058-75	DIODE LTL-2294WC (RED)(ON/STANDBY)	
D608	8-719-058-75	DIODE LTL-2294WC (RED)(BASS BOOST)	
D609	8-719-058-75	DIODE LTL-2294WC (RED)(VOLUME)	
LCD601	1-801-247-11	DISPLAY PANEL, LIQUID CRYSTAL	

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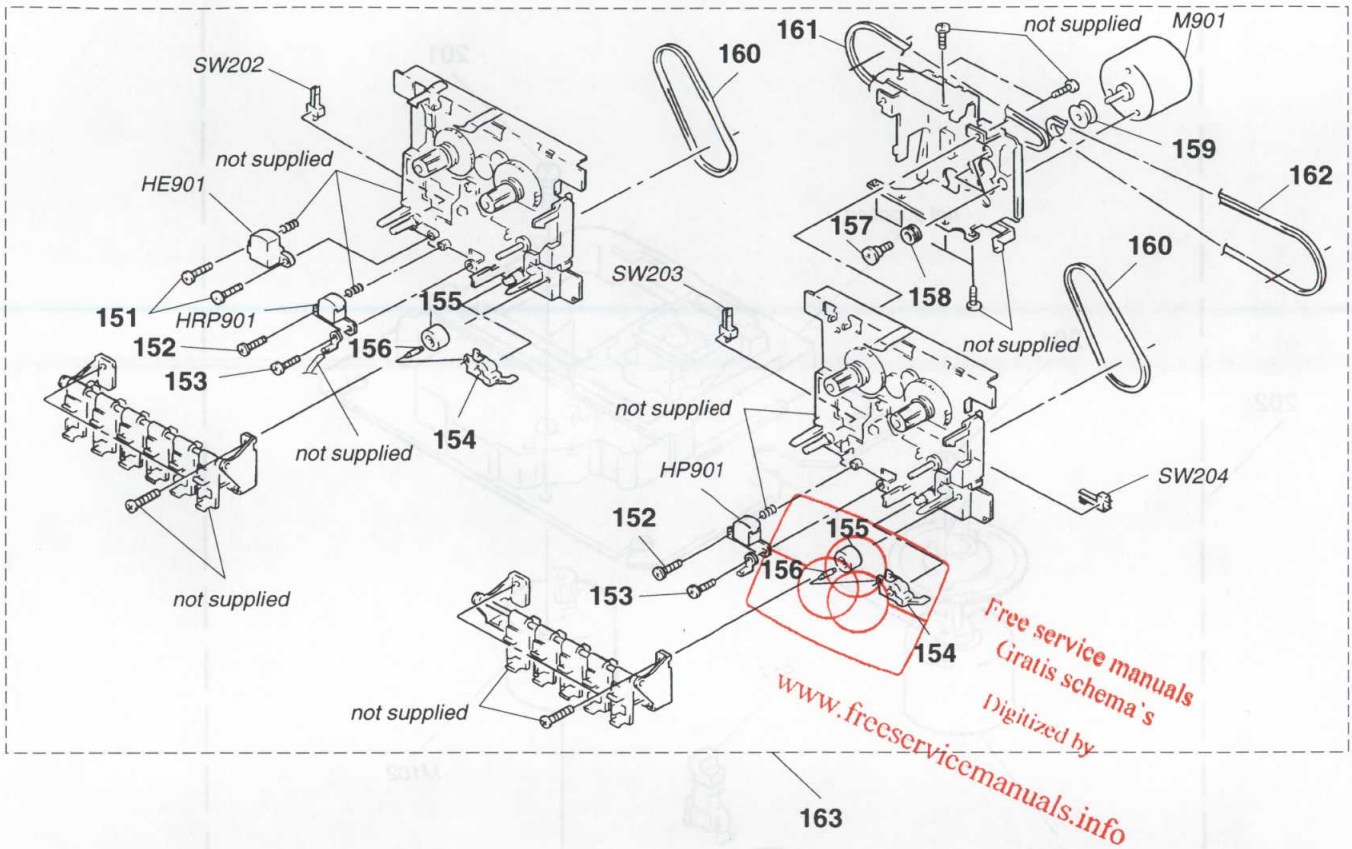
6-4. CASSETTE MECHANISM SECTION (ZY-318-FW-K-130-3)



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Ref. No.	Part No.	Description	Remark
151	9-936-996-01	E HEAD SCREW	
152	9-936-995-01	AZIMUTH SCREW	
153	9-936-994-01	HEAD SCREW ISO	
154	9-936-990-01	PINCH ROLLER ARM	
155	9-936-991-01	PINCH ROLLER	
156	9-936-993-01	PINCH ROLLER SHAFT	
157	9-936-997-01	MOTOR COLLAR SCREW	
158	9-939-001-01	MOTOR RUBBER	
159	9-936-992-01	MOTOR PULLY	
160	9-939-003-01	RF BELT	

Ref. No.	Part No.	Description	Remark
161	9-939-004-01	MAIN BELT (for A DECK)	
162	9-939-005-01	MAIN BELT (for B DECK)	
* 163	1-759-233-11	DECK, MECHANICAL	
HE901	9-936-999-01	E HEAD (ERASE)	
HP901	9-936-998-01	HEAD (PLAY)	
HRP901	9-936-998-01	HEAD (REC/PLAY)	
M901	9-939-002-01	MOTOR (CAPSTAN/REEL)	
SW202	9-939-000-01	LEAF SWITCH (A DECK)	
SW203	9-939-000-01	LEAF SWITCH (B DECK)	
SW204	9-939-006-01	LEAF SWITCH (PLAY)	

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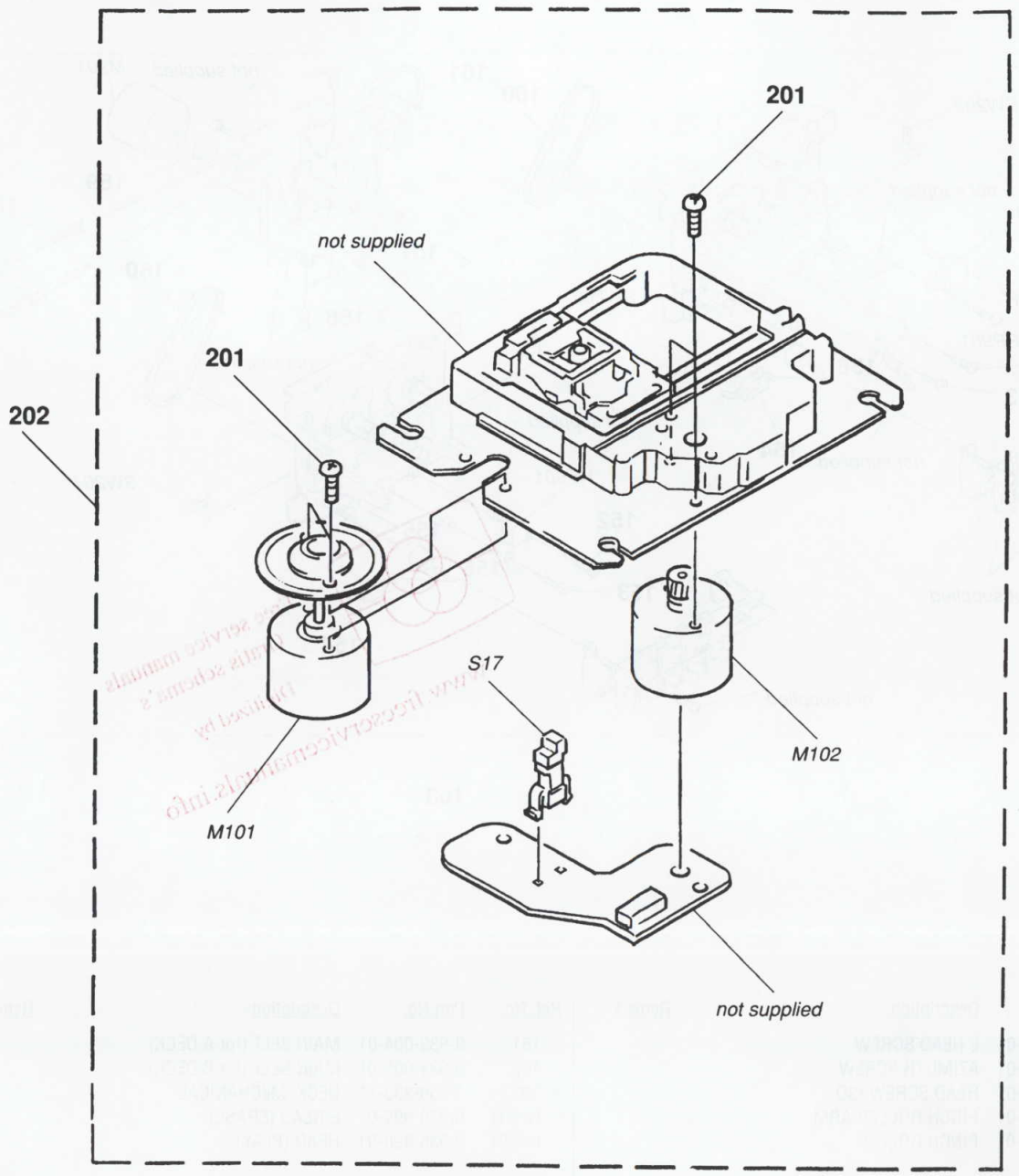
6-5. BASE UNIT SECTION (CD94V5CP)



Ref. No.	Part No.	Description	Remark
201	9-939-010-01	SCREW 1.7X3.0	
202	1-473-661-11	BASE UNIT, CD	
M101	9-939-007-01	MOTOR ASSY (SPINDLE)	
M102	9-939-008-01	MOTOR ASSY (SLED)	
S17	9-939-009-01	SWITCH, LEAF (STOP)	

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AC POWER SW

CD DECODER

SECTION 7
ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μ A..., uPA...: μ PA..., uPB...: μ PB..., uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H
- Abbreviation
  G : German model
  MX : Mexican model
  SP : Singapore model
  AUS : Australian model

Ref. No.	Part No.	Description			Remark
*	1-712-585-11	AC POWER SW BOARD (AEP,UK,G)			
		**********			
		(Supplied with REC SW board and POWER TR board together)			
		< SWITCH >			
⚠SW402	1-570-757-11	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)			
		< CAPACITOR >			
⚠C409	1-161-743-00	CERAMIC	4700PF		400V
**********					
*	A-4390-027-A	CD DECODER BOARD, COMPLETE			
*	1-712-586-11	CD DECODER BOARD			
		**********			
*	4-981-633-01	HOLDER, 2 LED			
		< CAPACITOR >			
C01	1-161-377-00	CERAMIC	0.0047uF	30%	50V
C02	1-124-443-00	ELECT	100uF	20%	10V
C03	1-124-443-00	ELECT	100uF	20%	10V
C04	1-162-306-11	CERAMIC	0.01uF	30%	16V
C05	1-130-489-00	MYLAR	0.033uF	5%	50V
C06	1-162-306-11	CERAMIC	0.01uF	30%	16V
C07	1-130-489-00	MYLAR	0.033uF	5%	50V
C08	1-161-494-11	CERAMIC	0.022uF	30%	25V
C09	1-124-902-00	ELECT	0.47uF	20%	50V
C10	1-162-306-11	CERAMIC	0.01uF	30%	16V
C11	1-124-443-00	ELECT	100uF	20%	10V
C11A	1-164-159-11	CERAMIC	0.1uF		50V
C12	1-162-306-11	CERAMIC	0.01uF	30%	16V
C13	1-164-159-11	CERAMIC	0.1uF		50V
C14	1-161-375-00	CERAMIC	0.0022uF	20%	50V
C15	1-164-159-11	CERAMIC	0.1uF		50V
C16	1-164-159-11	CERAMIC	0.1uF		50V
C17	1-130-495-00	MYLAR	0.1uF	5%	50V
C18	1-164-159-11	CERAMIC	0.1uF		50V
C19	1-126-963-11	ELECT	4.7uF	20%	50V
C20	1-162-306-11	CERAMIC	0.01uF	30%	16V
C21	1-130-491-00	MYLAR	0.047uF	5%	50V
C22	1-124-443-00	ELECT	100uF	20%	10V
C23	1-164-159-11	CERAMIC	0.1uF		50V

Ref. No.	Part No.	Description			Remark
C24	1-126-233-11	ELECT	22uF	20%	50V
C25	1-124-902-00	ELECT	0.47uF	20%	50V
C26	1-130-487-00	MYLAR	0.022uF	5%	50V
C27	1-162-306-11	CERAMIC	0.01uF	30%	16V
C28	1-164-159-11	CERAMIC	0.1uF		50V
C29	1-124-472-11	ELECT	470uF	20%	10V
C29A	1-124-472-11	ELECT	470uF	20%	10V
C30	1-124-443-00	ELECT	100uF	20%	10V
C31	1-110-671-31	CERAMIC	47000PF		50V
C32	1-161-053-00	CERAMIC	0.015uF	10%	50V
C33	1-162-306-11	CERAMIC	0.01uF	30%	16V
C34	1-162-286-31	CERAMIC	220PF	10%	50V
C35	1-162-306-11	CERAMIC	0.01uF	30%	16V
C36	1-126-963-11	ELECT	4.7uF	20%	50V
C37	1-164-159-11	CERAMIC	0.1uF		50V
C38	1-162-294-31	CERAMIC	0.001uF	10%	50V
C39	1-162-207-31	CERAMIC	22PF	5%	50V
C40	1-162-208-31	CERAMIC	24PF	5%	50V
C41	1-124-443-00	ELECT	100uF	20%	10V
C42	1-124-443-00	ELECT	100uF	20%	10V
C43	1-124-443-00	ELECT	100uF	20%	10V
C45	1-104-666-11	ELECT	220uF	20%	10V
C46	1-124-443-00	ELECT	100uF	20%	10V
C51	1-162-284-31	CERAMIC	150PF	10%	50V
C52	1-162-284-31	CERAMIC	150PF	10%	50V
C53	1-162-288-31	CERAMIC	330PF	10%	50V
C54	1-162-288-31	CERAMIC	330PF	10%	50V
C55	1-162-288-31	CERAMIC	330PF	10%	50V
C56	1-162-288-31	CERAMIC	330PF	10%	50V
C57	1-126-961-11	ELECT	2.2uF	20%	50V
C58	1-126-961-11	ELECT	2.2uF	20%	50V
C59	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C60	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C80	1-164-159-11	CERAMIC	0.1uF		50V
C81	1-164-159-11	CERAMIC	0.1uF		50V
C82	1-164-159-11	CERAMIC	0.1uF		50V
C83	1-164-159-11	CERAMIC	0.1uF		50V
C84	1-162-282-31	CERAMIC	100PF	10%	50V
C85	1-162-292-31	CERAMIC	680PF	10%	50V
C86	1-162-282-31	CERAMIC	100PF	10%	50V
C87	1-162-282-31	CERAMIC	100PF	10%	50V
C88	1-162-282-31	CERAMIC	100PF	10%	50V

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CD DECODER

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
* CN4	1-565-386-11	HOLDER, CABLE 5P			
CN01	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CN02	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
* CN03	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
* CN04	1-565-386-11	HOLDER, CABLE 5P			
* CN5	1-564-507-11	PLUG, CONNECTOR 4P			
CN06	1-568-861-11	SOCKET, CONNECTOR 18P			
* CN12	1-564-651-11	TERMINAL, MINIATURE			
		< DIODE >			
D01	8-719-991-33	DIODE 1SS133T-77			
D02	8-719-115-38	DIODE RD5.1JS-T1B2			
D03	8-719-114-35	DIODE RD5.6JSB			
D04	8-719-058-76	DIODE EL-7L			
		< IC >			
IC01	8-752-069-56	IC CXA1782BQ			
IC02	8-759-388-27	IC TC9173P			
IC03	8-759-283-62	IC BA6398FP			
IC04	8-752-367-58	IC CXD2508Q			
IC05	8-759-505-55	IC NJM4558L			
		< COIL >			
L01	1-410-526-11	INDUCTOR 10uH			
L04	1-412-489-11	INDUCTOR 1.2uH			
		< PHOTO INTERUPTER >			
PH01	8-729-036-35	PHOTO TRANSISTOR ST-8LR2			
		< TRANSISTOR >			
Q01	8-729-195-23	TRANSISTOR 2SA952			
Q02	8-729-195-23	TRANSISTOR 2SA952			
Q03	8-729-142-46	TRANSISTOR 2SC2001-LK			
Q04	8-729-194-57	TRANSISTOR 2SC945-P			
Q05	8-729-142-46	TRANSISTOR 2SC2001-LK			
		< RESISTOR >			
R01	1-249-430-11	CARBON	12K	5%	1/4W
R02	1-249-430-11	CARBON	12K	5%	1/4W
R03	1-249-393-11	CARBON	10	5%	1/4W F
R04	1-249-417-11	CARBON	1K	5%	1/4W F
R05	1-249-433-11	CARBON	22K	5%	1/4W
R06	1-249-425-11	CARBON	4.7K	5%	1/4W F
R07	1-249-433-11	CARBON	22K	5%	1/4W
R08	1-249-431-11	CARBON	15K	5%	1/4W
R09	1-249-431-11	CARBON	15K	5%	1/4W
R10	1-249-436-11	CARBON	39K	5%	1/4W
R11	1-247-899-11	CARBON	680K	5%	1/4W
R12	1-249-437-11	CARBON	47K	5%	1/4W
R13	1-247-896-11	CARBON	510K	5%	1/4W
R14	1-247-881-00	CARBON	120K	5%	1/4W
R15	1-249-438-11	CARBON	56K	5%	1/4W
R16	1-247-881-00	CARBON	120K	5%	1/4W
R17	1-249-437-11	CARBON	47K	5%	1/4W
R18	1-249-429-11	CARBON	10K	5%	1/4W
R19	1-249-431-11	CARBON	15K	5%	1/4W
R20	1-247-807-31	CARBON	100	5%	1/4W
R21	1-249-433-11	CARBON	22K	5%	1/4W
R22	1-249-438-11	CARBON	56K	5%	1/4W
R23	1-249-430-11	CARBON	12K	5%	1/4W
R24	1-247-883-00	CARBON	150K	5%	1/4W
R25	1-249-441-11	CARBON	100K	5%	1/4W
R26	1-249-429-11	CARBON	10K	5%	1/4W
R27	1-249-437-11	CARBON	47K	5%	1/4W
R28	1-249-429-11	CARBON	10K	5%	1/4W
R29	1-249-423-11	CARBON	3.3K	5%	1/4W F
R30	1-249-423-11	CARBON	3.3K	5%	1/4W F
R31	1-249-429-11	CARBON	10K	5%	1/4W
R32	1-247-903-00	CARBON	1M	5%	1/4W
R33	1-249-429-11	CARBON	10K	5%	1/4W
R34	1-249-441-11	CARBON	100K	5%	1/4W
R35	1-249-425-11	CARBON	4.7K	5%	1/4W F
R36	1-247-807-31	CARBON	100	5%	1/4W
R37	1-247-807-31	CARBON	100	5%	1/4W
R38	1-247-807-31	CARBON	100	5%	1/4W
R39	1-247-807-31	CARBON	100	5%	1/4W
R40	1-249-425-11	CARBON	4.7K	5%	1/4W F
R41	1-247-807-31	CARBON	100	5%	1/4W
R42	1-247-807-31	CARBON	100	5%	1/4W
R43	1-247-807-31	CARBON	100	5%	1/4W
R44	1-247-807-31	CARBON	100	5%	1/4W
R45	1-249-415-11	CARBON	680	5%	1/4W F
R46	1-249-429-11	CARBON	10K	5%	1/4W
R47	1-247-706-11	CARBON	330	5%	1/4W F
R48	1-249-433-11	CARBON	22K	5%	1/4W
R49	1-249-425-11	CARBON	4.7K	5%	1/4W F
R50	1-249-425-11	CARBON	4.7K	5%	1/4W F
R51	1-249-425-11	CARBON	4.7K	5%	1/4W F
R52	1-249-425-11	CARBON	4.7K	5%	1/4W F
R53	1-249-411-11	CARBON	330	5%	1/4W
R54	1-249-425-11	CARBON	4.7K	5%	1/4W F
R55	1-249-425-11	CARBON	4.7K	5%	1/4W F
R56	1-249-425-11	CARBON	4.7K	5%	1/4W F
R57	1-249-427-11	CARBON	6.8K	5%	1/4W F
R58	1-249-442-11	CARBON	510	5%	1/4W
R59	1-247-903-00	CARBON	1M	5%	1/4W
R61	1-249-429-11	CARBON	10K	5%	1/4W
R62	1-249-429-11	CARBON	10K	5%	1/4W
R63	1-249-429-11	CARBON	10K	5%	1/4W
R64	1-249-429-11	CARBON	10K	5%	1/4W
R65	1-249-435-11	CARBON	33K	5%	1/4W
R66	1-249-435-11	CARBON	33K	5%	1/4W

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CD DECODER FRONT PANEL

Ref. No.	Part No.	Description			Remark
R67	1-249-435-11	CARBON	33K	5%	1/4W
R68	1-249-435-11	CARBON	33K	5%	1/4W
R69	1-249-430-11	CARBON	12K	5%	1/4W
R70	1-249-430-11	CARBON	12K	5%	1/4W
R71	1-249-430-11	CARBON	12K	5%	1/4W
R72	1-249-430-11	CARBON	12K	5%	1/4W
R73	1-249-421-11	CARBON	2.2K	5%	1/4W F
R74	1-249-421-11	CARBON	2.2K	5%	1/4W F
R75	1-249-429-11	CARBON	10K	5%	1/4W
R76	1-249-429-11	CARBON	10K	5%	1/4W
R77	1-249-425-11	CARBON	4.7K	5%	1/4W F
R78	1-249-425-11	CARBON	4.7K	5%	1/4W F
R79	1-247-704-11	CARBON	220	5%	1/4W F
R80	1-247-883-00	CARBON	150K	5%	1/4W
R81	1-247-807-31	CARBON	100	5%	1/4W
R82	1-247-807-31	CARBON	100	5%	1/4W
		< SWITCH >			
S01	1-762-683-11	SWITCH, PUSH (TURN TABLE POSITION DET)			
S02	1-762-683-11	SWITCH, PUSH (TURN TABLE POSITION DET)			
		< VARIABLE RESISTOR >			
VR01	1-237-288-11	RES, ADJ, CARBON 50K			
		< VIBRATOR >			
XTL01	1-760-123-11	VIBRATOR, CRYSTAL (33.8688MHz)			
**********					
*	A-4390-686-A	FRONT PANEL BOARD, COMPLETE (E,AUS,MX,SP)			
	**********				
	1-773-075-11	WIRE (FLAT TYPE) (18 CORE)			
	1-774-980-11	HOUSING, CONNECTOR			
	4-980-828-01	PLATE, DISPLAY			
*	4-980-830-01	HOLDER, LED			
*	4-980-831-01	HOLDER, LED			
*	4-980-832-01	COVER, LED			
		< CAPACITOR >			
C601	1-164-159-11	CERAMIC	0.1uF		50V
C602	1-104-664-11	ELECT	47uF	20%	10V
C603	1-124-907-11	ELECT	10uF	20%	50V
C604	1-161-494-11	CERAMIC	0.022uF	30%	25V
C605	1-124-471-00	ELECT	1000uF	20%	6.3V
C606	1-161-494-11	CERAMIC	0.022uF	30%	25V
C607	1-161-494-11	CERAMIC	0.022uF	30%	25V
C608	1-162-282-31	CERAMIC	100PF	10%	50V
C609	1-124-443-00	ELECT	100uF	20%	10V
C610	1-164-159-11	CERAMIC	0.1uF		50V
C611	1-164-159-11	CERAMIC	0.1uF		50V
C612	1-161-494-11	CERAMIC	0.022uF	30%	25V

Ref. No.	Part No.	Description			Remark
C614	1-124-903-11	ELECT	1uF	20%	50V
C615	1-124-925-11	ELECT	2.2uF	20%	100V
C619	1-124-903-11	ELECT	1uF	20%	50V
		< CONNECTOR >			
CN301	1-774-979-11	PIN, CONNECTOR 19P			
CN601	1-568-468-11	SOCKET, CONNECTOR 18P			
		< DIODE >			
D601	8-719-820-58	DIODE 1SS177			
D602	8-719-820-58	DIODE 1SS177			
D603	8-719-820-58	DIODE 1SS177			
D604	8-719-820-58	DIODE 1SS177			
D605	8-719-058-75	DIODE LTL-2294WC (ON/STANDBY)			
D606	8-719-820-58	DIODE 1SS177			
D608	8-719-058-75	DIODE LTL-2294WC (BASS BOOST)			
D609	8-719-058-75	DIODE LTL-2294WC (VOLUME)			
D610	8-719-820-58	DIODE 1SS177			
D611	8-719-820-58	DIODE 1SS177			
D612	8-719-820-58	DIODE 1SS177			
D613	8-719-820-58	DIODE 1SS177			
D614	8-719-820-58	DIODE 1SS177			
D615	8-719-820-58	DIODE 1SS177			
D616	8-719-820-58	DIODE 1SS177			
D617	8-719-820-58	DIODE 1SS177			
D618	8-719-820-58	DIODE 1SS177			
D620	8-719-820-58	DIODE 1SS177			
D621	8-719-820-58	DIODE 1SS177			
		< IC >			
IC601	8-759-388-25	IC uPD753016-H100			
IC602	8-759-241-12	IC TC74HC237AP			
IC603	8-759-708-05	IC NJM78L05A			
		< COIL >			
L601	1-518-557-11	LAMP, PILOT			
L602	1-518-557-11	LAMP, PILOT			
L603	1-518-557-11	LAMP, PILOT			
L604	1-408-096-00	INDUCTOR 470uH			
L605	1-412-507-11	INDUCTOR 47uH			
		< LIQUID CRYSTAL DISPLAY >			
LCD601	1-801-247-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q601	8-729-194-57	TRANSISTOR 2SC945-P			
Q603	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q607	8-729-194-57	TRANSISTOR 2SC945-P			
Q608	8-729-194-57	TRANSISTOR 2SC945-P			

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FRONT PANEL

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R601	1-249-411-11	CARBON	330	5%	1/4W
R602	1-247-704-11	CARBON	220	5%	1/4W F
R603	1-249-437-11	CARBON	47K	5%	1/4W
R604	1-249-437-11	CARBON	47K	5%	1/4W
R608	1-247-704-11	CARBON	220	5%	1/4W F
R610	1-249-395-11	CARBON	15	5%	1/4W F
R611	1-249-395-11	CARBON	15	5%	1/4W F
R612	1-249-395-11	CARBON	15	5%	1/4W F
R613	1-249-425-11	CARBON	4.7K	5%	1/4W F
R614	1-249-429-11	CARBON	10K	5%	1/4W
R615	1-249-409-11	CARBON	220	5%	1/4W F
R616	1-249-429-11	CARBON	10K	5%	1/4W
R617	1-249-437-11	CARBON	47K	5%	1/4W
R618	1-249-417-11	CARBON	1K	5%	1/4W F
R621	1-249-441-11	CARBON	100K	5%	1/4W
R622	1-249-441-11	CARBON	100K	5%	1/4W
R623	1-249-441-11	CARBON	100K	5%	1/4W
R625	1-249-417-11	CARBON	1K	5%	1/4W F
R626	1-249-431-11	CARBON	15K	5%	1/4W
R627	1-249-437-11	CARBON	47K	5%	1/4W
R633	1-249-429-11	CARBON	10K	5%	1/4W
R634	1-249-465-11	CARBON	47K	5%	1/4W
		< INTEGRATED >			
RA601	1-235-136-11	RES, BLOCK 47K			
		< IC >			
RM601	8-749-012-51	IC LTM-8834P			
		< SWITCH >			
S601	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(POWER)			
S602	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (FUNCTION, TUNER)			
S603	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(FUNCTION, CD)			
S604	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (FUNCTION, TAPE)			
S605	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(BASS BOOST)			
S606	1-571-914-21	SWITCH, KEY BOARD (VOLUME +)			
S607	1-571-914-21	SWITCH, KEY BOARD (VOLUME -)			
S608	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (TUNEING +, ▶▶I, ▶▶)			
S609	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (TUNEING -, I◀◀, ◀◀)			
S610	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(PRESET +)			
S611	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(PRESET -)			
S612	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(BAND)			
S613	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(DISC SKIP)			
S614	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (CD OPERATION, ■)			
S615	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (CD OPERATION, ▷II)			

Ref. No.	Part No.	Description			Remark
S616	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(SHUFFLE)			
S617	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(REPEAT)			
S618	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(PROGRAM)			
S619	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(MEMORY)			
		< TEST PIN >			
TP601	1-568-951-11	PIN, CONNECTOR 2P			
		< VIBRATOR >			
X601	1-567-143-00	OSCILLATOR, CERAMIC (6.00MHz)			
**********					
*	A-4390-690-A	FRONT PANEL BOARD, COMPLETE (AEP,UK,G)			
		**********			
	1-773-075-11	WIRE (FLAT TYPE) (18 CORE)			
	1-774-980-11	HOUSING, CONNECTOR			
	4-980-828-01	PLATE, DISPLAY			
*	4-980-830-01	HOLDER, LED			
*	4-980-831-01	HOLDER, LED			
*	4-980-832-01	COVER, LED			
		< CAPACITOR >			
C601	1-164-159-11	CERAMIC	0.1uF		50V
C602	1-104-664-11	ELECT	47uF	20%	10V
C603	1-124-907-11	ELECT	10uF	20%	50V
C604	1-161-494-11	CERAMIC	0.022uF	30%	25V
C605	1-125-507-11	ELECT	0.22F		5.5V
C606	1-161-494-11	CERAMIC	0.022uF	30%	25V
C607	1-161-494-11	CERAMIC	0.022uF	30%	25V
C608	1-162-282-31	CERAMIC	100PF	10%	50V
C609	1-124-443-00	ELECT	100uF	20%	10V
C610	1-164-159-11	CERAMIC	0.1uF		50V
C611	1-164-159-11	CERAMIC	0.1uF		50V
C612	1-161-494-11	CERAMIC	0.022uF	30%	25V
C614	1-124-903-11	ELECT	1uF	20%	50V
C615	1-124-925-11	ELECT	2.2uF	20%	100V
C619	1-124-903-11	ELECT	1uF	20%	50V
C620	1-126-941-11	ELECT	470uF	20%	25V
C621	1-104-664-11	ELECT	47uF	20%	10V
C622	1-162-207-31	CERAMIC	22PF	5%	50V
		< CONNECTOR >			
CN301	1-774-979-11	PIN, CONNECTOR 19P			
CN601	1-568-468-11	SOCKET, CONNECTOR 18P			
		< DIODE >			
D601	8-719-820-58	DIODE 1SS177			
D602	8-719-820-58	DIODE 1SS177			
D603	8-719-820-58	DIODE 1SS177			
D604	8-719-820-58	DIODE 1SS177			
D605	8-719-058-75	DIODE LTL-2294WC (ON/OFF)			

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FRONT PANEL

Ref. No.	Part No.	Description	Remark
D606	8-719-820-58	DIODE 1SS177	
D608	8-719-058-75	DIODE LTL-2294WC (BASS BOOST)	
D609	8-719-058-75	DIODE LTL-2294WC (VOLUME)	
D611	8-719-820-58	DIODE 1SS177	
D612	8-719-820-58	DIODE 1SS177	
D613	8-719-820-58	DIODE 1SS177	
D614	8-719-820-58	DIODE 1SS177	
D615	8-719-820-58	DIODE 1SS177	
D616	8-719-820-58	DIODE 1SS177	
D617	8-719-820-58	DIODE 1SS177	
D618	8-719-820-58	DIODE 1SS177	
D620	8-719-820-58	DIODE 1SS177	
D622	8-719-820-58	DIODE 1SS177	
D624	8-719-820-58	DIODE 1SS177	
		< IC >	
IC601	8-759-388-25	IC uPD753016-H100	
IC602	8-759-241-12	IC TC74HC237AP	
IC603	8-759-708-05	IC NJM78L05A	
		< COIL >	
L601	1-518-557-11	LAMP, PILOT	
L602	1-518-557-11	LAMP, PILOT	
L603	1-518-557-11	LAMP, PILOT	
L604	1-408-096-00	INDUCTOR 470uH	
L605	1-412-507-11	INDUCTOR 47uH	
		< LIQUID CRYSTAL DISPLAY >	
LCD601	1-801-247-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< TRANSISTOR >	
Q601	8-729-194-57	TRANSISTOR 2SC945-P	
Q602	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q603	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q607	8-729-194-57	TRANSISTOR 2SC945-P	
Q608	8-729-194-57	TRANSISTOR 2SC945-P	
		< RESISTOR >	
R601	1-249-411-11	CARBON 330 5% 1/4W	
R602	1-247-704-11	CARBON 220 5% 1/4W	F
R603	1-249-437-11	CARBON 47K 5% 1/4W	
R604	1-249-437-11	CARBON 47K 5% 1/4W	
R605	1-249-429-11	CARBON 10K 5% 1/4W	
R606	1-249-429-11	CARBON 10K 5% 1/4W	
R608	1-247-704-11	CARBON 220 5% 1/4W	F
R610	1-249-395-11	CARBON 15 5% 1/4W	F
R611	1-249-395-11	CARBON 15 5% 1/4W	F
R612	1-249-395-11	CARBON 15 5% 1/4W	F
R613	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R614	1-249-429-11	CARBON 10K 5% 1/4W	
R615	1-249-409-11	CARBON 220 5% 1/4W	F
R616	1-249-429-11	CARBON 10K 5% 1/4W	
R617	1-249-437-11	CARBON 47K 5% 1/4W	
R618	1-249-417-11	CARBON 1K 5% 1/4W	F
R621	1-249-441-11	CARBON 100K 5% 1/4W	
R622	1-249-441-11	CARBON 100K 5% 1/4W	
R623	1-249-441-11	CARBON 100K 5% 1/4W	
R625	1-249-417-11	CARBON 1K 5% 1/4W	F
R626	1-249-431-11	CARBON 15K 5% 1/4W	
R627	1-249-437-11	CARBON 47K 5% 1/4W	
R633	1-249-429-11	CARBON 10K 5% 1/4W	
R634	1-249-465-11	CARBON 47K 5% 1/4W	
		< INTEGRATED >	
RA601	1-235-136-11	RES, BLOCK 47K	
		< IC >	
RM601	8-749-012-51	IC LTM-8834P	
		< SWITCH >	
S602	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(FUNCTION, TUNER)	
S603	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(FUNCTION, CD)	
S604	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(FUNCTION, TAPE)	
S605	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(BASS BOOST)	
S606	1-571-914-21	SWITCH, KEY BOARD (VOLUME +)	
S607	1-571-914-21	SWITCH, KEY BOARD (VOLUME -)	
S608	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (TUNEING +, ▶▶I, ▶▶)	
S609	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (TUNEING -, I◀◀, ◀◀)	
S610	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(PRESET +)	
S611	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(PRESET -)	
S612	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(BAND)	
S613	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(DISC SKIP)	
S614	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (CD OPERATION, ■)	
S615	1-572-481-11	SWITCH, KEY BOARD (1 KEY) (CD OPERATION, ▷II)	
S616	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(SHUFFLE)	
S617	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(REPEAT)	
S618	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(PROGRAM)	
S619	1-572-481-11	SWITCH, KEY BOARD (1 KEY)(MEMORY)	
		< TEST PIN >	
TP601	1-568-951-11	PIN, CONNECTOR 2P	
		< VIBRATOR >	
X601	1-567-143-00	OSCILLATOR, CERAMIC (6.00MHz)	

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MAIN

Ref. No.	Part No.	Description			Remark
*	A-4386-203-A	MAIN BOARD, COMPLETE (E)			
		**********			
*	A-4386-204-A	MAIN BOARD, COMPLETE (AUS)			
		**********			
*	A-4386-205-A	MAIN BOARD, COMPLETE (SP)			
		**********			
*	A-4386-206-A	MAIN BOARD, COMPLETE (MX)			
		**********			
*	A-4386-207-A	MAIN BOARD, COMPLETE (AEP,UK,G)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			
		< CAPACITOR >			
C201	1-162-286-31	CERAMIC	220PF	10%	50V
C202	1-162-286-31	CERAMIC	220PF	10%	50V
C203	1-162-294-31	CERAMIC	0.001uF	10%	50V
C204	1-162-294-31	CERAMIC	0.001uF	10%	50V
C205	1-162-286-31	CERAMIC	220PF	10%	50V
C206	1-162-286-31	CERAMIC	220PF	10%	50V
C207	1-126-233-11	ELECT	22uF	20%	50V
C208	1-126-233-11	ELECT	22uF	20%	50V
C209	1-161-053-00	CERAMIC	0.015uF	10%	50V
C210	1-161-053-00	CERAMIC	0.015uF	10%	50V
C211	1-124-903-11	ELECT	1uF	20%	50V
C212	1-124-903-11	ELECT	1uF	20%	50V
C213	1-162-301-11	CERAMIC	0.0015uF	30%	16V
C214	1-162-301-11	CERAMIC	0.0015uF	30%	16V
C215	1-162-301-11	CERAMIC	0.0015uF	5%	50V
C216	1-162-301-11	CERAMIC	0.0015uF	5%	50V
C217	1-162-286-31	CERAMIC	220PF	10%	50V
C218	1-162-286-31	CERAMIC	220PF	10%	50V
C219	1-126-962-11	ELECT	3.3uF	20%	50V
C220	1-126-962-11	ELECT	3.3uF	20%	50V
C221	1-124-443-00	ELECT	100uF	20%	10V
C222	1-124-443-00	ELECT	100uF	20%	10V
C223	1-162-294-31	CERAMIC	0.001uF	10%	50V
C224	1-162-294-31	CERAMIC	0.001uF	10%	50V
C225	1-126-962-11	ELECT	3.3uF	20%	50V
C226	1-126-962-11	ELECT	3.3uF	20%	50V
C228	1-124-907-11	ELECT	10uF	20%	50V
C230	1-130-485-00	MYLAR	0.015uF	5%	50V
C231	1-130-483-00	MYLAR	0.01uF	5%	50V
C232	1-130-479-00	MYLAR	0.0047uF	5%	50V (AEP,UK,G)
C233	1-130-992-11	FILM	0.022uF	5%	50V
C234	1-104-664-11	ELECT	47uF	20%	16V
C235	1-161-494-00	CERAMIC	0.022uF		25V
C237	1-124-119-00	ELECT	330uF	20%	16V
C238	1-126-962-11	ELECT	3.3uF	20%	50V

Ref. No.	Part No.	Description			Remark
C239	1-162-294-31	CERAMIC	0.001uF	10%	50V
C240	1-162-294-31	CERAMIC	0.001uF	10%	50V
C241	1-124-443-00	ELECT	100uF	20%	10V
C242	1-124-902-00	ELECT	0.47uF	20%	50V
C243	1-126-961-11	ELECT	2.2uF	20%	50V
C301	1-130-495-00	MYLAR	0.1uF	5%	50V
C302	1-130-495-00	MYLAR	0.1uF	5%	50V
C303	1-130-495-00	MYLAR	0.1uF	5%	50V
C304	1-130-495-00	MYLAR	0.1uF	5%	50V
C305	1-126-884-51	ELECT	1000uF	20%	63V
C306	1-126-884-51	ELECT	1000uF	20%	63V
C307	1-124-477-11	ELECT	47uF	20%	25V
C308	1-124-477-11	ELECT	47uF	20%	25V
C309	1-124-120-11	ELECT	220uF	20%	25V
C310	1-124-120-11	ELECT	220uF	20%	25V
C311	1-124-572-11	ELECT	100uF	20%	63V
C312	1-162-294-31	CERAMIC	0.001uF	10%	50V
C313	1-162-294-31	CERAMIC	0.001uF	10%	50V
C314	1-124-903-11	ELECT	1uF	20%	50V
C315	1-124-903-11	ELECT	1uF	20%	50V
C316	1-124-477-11	ELECT	47uF	20%	25V
C317	1-124-572-11	ELECT	100uF	20%	63V
C318	1-162-290-31	CERAMIC	470PF	10%	50V
C319	1-162-290-31	CERAMIC	470PF	10%	50V
C320	1-124-903-11	ELECT	1uF	20%	50V
C321	1-124-903-11	ELECT	1uF	20%	50V
C323	1-124-907-11	ELECT	10uF	20%	50V
C324	1-124-907-11	ELECT	10uF	20%	50V
C325	1-164-159-11	CERAMIC	0.1uF		50V
C326	1-164-159-11	CERAMIC	0.1uF		50V
C327	1-124-907-11	ELECT	10uF	20%	50V
C328	1-126-941-11	ELECT	470uF	20%	16V
C329	1-124-907-11	ELECT	10uF	20%	50V
C330	1-124-907-11	ELECT	10uF	20%	50V
C331	1-126-963-11	ELECT	4.7uF	20%	50V
C332	1-126-963-11	ELECT	4.7uF	20%	50V
C333	1-104-664-11	ELECT	47uF	20%	16V
C334	1-124-903-11	ELECT	1uF	20%	50V
C335	1-124-903-11	ELECT	1uF	20%	50V
C336	1-126-963-11	ELECT	4.7uF	20%	50V
C337	1-126-963-11	ELECT	4.7uF	20%	50V
C338	1-162-290-31	CERAMIC	470PF	10%	50V
C339	1-162-290-31	CERAMIC	470PF	10%	50V
C340	1-162-282-31	CERAMIC	100PF	10%	50V
C341	1-162-282-31	CERAMIC	100PF	10%	50V
C342	1-104-665-11	ELECT	100uF	20%	16V
C343	1-126-963-11	ELECT	4.7uF	20%	50V
C344	1-126-963-11	ELECT	4.7uF	20%	50V
C345	1-124-120-11	ELECT	220uF	20%	25V
C346	1-162-215-31	CERAMIC	47PF	5%	50V
C347	1-162-215-31	CERAMIC	47PF	5%	50V
C348	1-104-665-11	ELECT	100uF	20%	16V

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Ref. No.	Part No.	Description			Remark
C349	1-124-463-00	ELECT	0.1uF	20%	50V
C350	1-126-941-11	ELECT	470uF	20%	16V
C351	1-126-963-11	ELECT	4.7uF	20%	50V
C352	1-126-963-11	ELECT	4.7uF	20%	50V
C353	1-126-963-11	ELECT	4.7uF	20%	50V
C354	1-126-963-11	ELECT	4.7uF	20%	50V
C355	1-126-963-11	ELECT	4.7uF	20%	50V
C356	1-126-963-11	ELECT	4.7uF	20%	50V
C357	1-124-120-11	ELECT	220uF	20%	25V
C359	1-126-961-11	ELECT	2.2uF	20%	50V
C360	1-128-493-11	ELECT	4700uF	20%	63V
C361	1-161-744-00	CERAMIC	0.01uF		250V
C362	1-161-744-00	CERAMIC	0.01uF		250V
C363	1-161-494-00	CERAMIC	0.022uF		25V
C364	1-124-120-11	ELECT	220uF	20%	25V
C365	1-161-494-00	CERAMIC	0.022uF		25V
C366	1-124-480-11	ELECT	470uF	20%	25V
C367	1-104-665-11	ELECT	100uF	20%	16V
C368	1-126-952-11	ELECT	1000uF	20%	16V
C369	1-161-494-00	CERAMIC	0.022uF		25V
C370	1-161-494-00	CERAMIC	0.022uF		25V
C371	1-124-440-11	ELECT	3300uF	20%	25V
C372	1-104-665-11	ELECT	100uF	20%	16V
C373	1-161-494-00	CERAMIC	0.022uF		25V
C374	1-161-494-00	CERAMIC	0.022uF		25V
C375	1-161-494-00	CERAMIC	0.022uF		25V
C376	1-126-941-11	ELECT	470uF	20%	16V
C377	1-161-494-00	CERAMIC	0.022uF		25V
C378	1-161-494-00	CERAMIC	0.022uF		25V
C379	1-104-665-11	ELECT	100uF	20%	16V
C380	1-161-494-00	CERAMIC	0.022uF		25V
C381	1-126-941-11	ELECT	470uF	20%	16V
C382	1-124-480-11	ELECT	470uF	20%	25V
C383	1-161-494-00	CERAMIC	0.022uF		25V
C384	1-161-494-00	CERAMIC	0.022uF		25V
C385	1-104-665-11	ELECT	100uF	20%	16V
C386	1-161-494-00	CERAMIC	0.022uF		25V
C387	1-126-941-11	ELECT	470uF	20%	16V
C393	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)
C394	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)
C395	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)
C396	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)
C397	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)
C398	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)
C399	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)
C400	1-162-600-11	CERAMIC	0.0047uF	30%	16V (AEP,UK,G)

Ref. No.	Part No.	Description			Remark
C402	1-130-471-00	MYLAR	0.001uF	5%	50V (AEP,UK,G)
C403	1-162-288-31	CERAMIC	330PF	10%	50V (AEP,UK,G)
C404	1-162-288-31	CERAMIC	330PF	10%	50V (AEP,UK,G)
C405	1-124-477-11	ELECT	47uF	20%	25V
C407	1-162-294-31	CERAMIC	0.001uF	10%	50V
C408	1-162-294-31	CERAMIC	0.001uF	10%	50V
C410	1-126-963-11	ELECT	4.7uF	20%	50V
C411	1-126-963-11	ELECT	4.7uF	20%	50V
C412	1-104-665-11	ELECT	100uF	20%	16V
C413	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK,G)
C415	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK,G)
C418	1-162-302-11	CERAMIC	0.0022uF	20%	16V (AEP,UK,G)
C419	1-162-302-11	CERAMIC	0.0022uF	20%	16V (AEP,UK,G)
C420	1-162-302-11	CERAMIC	0.0022uF	20%	16V (AEP,UK,G)
C421	1-162-306-11	CERAMIC	0.01uF	20%	10V (AEP,UK,G)
C422	1-162-306-11	CERAMIC	0.01uF	20%	10V (AEP,UK,G)
C423	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,UK,G)
		< CONNECTOR >			
CN101	1-778-279-11	CONNECTOR (BOARD TO BOARD)			
* CN201	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN202	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CN203	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
* CN205	1-568-274-11	SOCKET, CONNECTOR 8P			
CN301	1-774-979-11	PIN, CONNECTOR			
* CN401	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
		< DIODE >			
D201	8-719-820-58	DIODE 1SS177			
D202	8-719-820-58	DIODE 1SS177			
D203	8-719-820-58	DIODE 1SS177			
D205	8-719-820-58	DIODE 1SS177			
D208	8-719-820-58	DIODE 1SS177			
D209	8-719-820-58	DIODE 1SS177			
D211	8-719-820-58	DIODE 1SS177			
D212	8-719-820-58	DIODE 1SS177			
D213	8-719-820-58	DIODE 1SS177			
D301	8-719-114-35	DIODE RD5.6JSB			
D302	8-719-820-58	DIODE 1SS177			
D303	8-719-820-58	DIODE 1SS177			
D304	8-719-820-58	DIODE 1SS177			
D306	0-427-535-00	DIODE GBL002			
D307	8-719-904-02	DIODE 1N4002T			

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Ref. No.	Part No.	Description	Remark
D308	8-719-904-02	DIODE 1N4002T	
D309	8-719-904-02	DIODE 1N4002T	
D310	8-719-904-02	DIODE 1N4002T	
D311	8-719-904-02	DIODE 1N4002T	
D312	8-719-904-02	DIODE 1N4002T	
D313	8-719-904-02	DIODE 1N4002T	
D314	8-719-110-13	DIODE RD9.1ESB2	
D315	8-719-110-31	DIODE RD12ES-B2	
D316	8-719-110-31	DIODE RD12ES-B2	
D318	8-719-820-58	DIODE 1SS177	
D319	8-719-820-58	DIODE 1SS177	
D320	8-719-110-31	DIODE RD12ES-B2	
D321	8-719-820-58	DIODE 1SS177	
D322	8-719-820-58	DIODE 1SS177	
		< FUSE HOLDER >	
FH301	1-533-399-21	HOLDER, FUSE	
FH302	1-533-399-21	HOLDER, FUSE	
		< RESISTOR >	
⚠FR303	1-212-879-11	FUSIBLE 82 5% 1/4W	F
⚠FR304	1-212-879-11	FUSIBLE 82 5% 1/4W	F
		< IC >	
IC201	8-759-242-58	IC TA8189N	
IC301	8-749-920-14	IC STK-4412 (E,AUS,MX,SP)	
IC301	8-749-943-92	IC STK4392 (AEP,UK,G)	
IC302	8-759-820-11	IC LC7535	
IC303	8-759-805-13	IC LC7821	
		< TERMINAL >	
JK301	1-694-092-11	TERMINAL BOARD (SPEAKER)	
JK302	1-774-974-11	JACK, HEADPHONE (PHONES)	
		< COIL >	
L201	1-429-552-11	TRANSFORMER, BIAS OSCILLATION	
* L301	1-420-872-00	COIL, AIR CORE (AEP,UK,G)	
* L302	1-420-872-00	COIL, AIR CORE (AEP,UK,G)	
		< TRANSISTOR >	
Q201	8-729-194-57	TRANSISTOR 2SC945-P	
Q202	8-729-194-57	TRANSISTOR 2SC945-P	
Q203	8-729-194-57	TRANSISTOR 2SC945-P	
Q204	8-729-194-57	TRANSISTOR 2SC945-P	
Q205	8-729-194-57	TRANSISTOR 2SC945-P	
Q206	8-729-194-57	TRANSISTOR 2SC945-P	
Q207	8-729-194-57	TRANSISTOR 2SC945-P	
Q208	8-729-194-57	TRANSISTOR 2SC945-P	
Q209	8-729-194-57	TRANSISTOR 2SC945-P	
Q210	8-729-194-57	TRANSISTOR 2SC945-P	
Q211	8-729-194-57	TRANSISTOR 2SC945-P	
Q212	8-729-194-57	TRANSISTOR 2SC945-P	

Ref. No.	Part No.	Description	Remark
Q213	8-729-194-57	TRANSISTOR 2SC945-P	
Q214	8-729-194-57	TRANSISTOR 2SC945-P	
Q216	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q217	8-729-194-57	TRANSISTOR 2SC945-P	
Q218	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q219	8-729-194-57	TRANSISTOR 2SC945-P	
Q220	8-729-194-57	TRANSISTOR 2SC945-P	
Q302	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q303	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q305	8-729-194-57	TRANSISTOR 2SC945-P	
Q306	8-729-194-57	TRANSISTOR 2SC945-P	
Q307	8-729-194-57	TRANSISTOR 2SC945-P	
Q308	8-729-194-57	TRANSISTOR 2SC945-P	
Q309	8-729-194-57	TRANSISTOR 2SC945-P	
Q310	8-729-194-57	TRANSISTOR 2SC945-P	
Q311	8-729-194-57	TRANSISTOR 2SC945-P	
Q312	8-729-194-57	TRANSISTOR 2SC945-P	
Q313	8-729-194-57	TRANSISTOR 2SC945-P	
Q314	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q315	8-729-188-23	TRANSISTOR 2SD882-P	
Q316	8-729-188-23	TRANSISTOR 2SD882-P	
Q317	8-729-188-23	TRANSISTOR 2SD882-P	
Q319	8-729-194-57	TRANSISTOR 2SC945-P	
Q320	8-729-194-57	TRANSISTOR 2SC945-P	
Q321	8-729-142-46	TRANSISTOR 2SC2001-LK	
		< RESISTOR >	
R201	1-249-393-11	CARBON 10 5% 1/4W	F
R202	1-249-393-11	CARBON 10 5% 1/4W	F
R203	1-247-889-00	CARBON 270K 5% 1/4W	
R204	1-247-889-00	CARBON 270K 5% 1/4W	
R205	1-249-406-11	CARBON 120 5% 1/4W	F
R206	1-249-406-11	CARBON 120 5% 1/4W	F
R207	1-249-431-11	CARBON 15K 5% 1/4W	
R208	1-249-431-11	CARBON 15K 5% 1/4W	
R209	1-249-429-11	CARBON 10K 5% 1/4W	
R210	1-249-433-11	CARBON 22K 5% 1/4W	
R211	1-247-891-00	CARBON 330K 5% 1/4W	
R212	1-247-891-00	CARBON 330K 5% 1/4W	
R213	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R214	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R215	1-249-429-11	CARBON 10K 5% 1/4W	
R216	1-249-431-11	CARBON 15K 5% 1/4W	
R217	1-249-437-11	CARBON 47K 5% 1/4W	
R218	1-247-704-11	CARBON 220 5% 1/4W	F
R219	1-249-422-11	CARBON 2.7K 5% 1/4W	F
R220	1-249-434-11	CARBON 27K 5% 1/4W	
R221	1-249-441-11	CARBON 100K 5% 1/4W	
R222	1-249-441-11	CARBON 100K 5% 1/4W	
R223	1-249-429-11	CARBON 10K 5% 1/4W	
R224	1-249-429-11	CARBON 10K 5% 1/4W	
R225	1-249-433-11	CARBON 22K 5% 1/4W	

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Ref. No.	Part No.	Description			Remark
R226	1-249-433-11	CARBON	22K	5%	1/4W
R227	1-247-885-00	CARBON	180K	5%	1/4W
R228	1-247-885-00	CARBON	180K	5%	1/4W
R229	1-247-891-00	CARBON	330K	5%	1/4W
R230	1-247-891-00	CARBON	330K	5%	1/4W
R231	1-249-408-11	CARBON	180	5%	1/4W F
R232	1-249-408-11	CARBON	180	5%	1/4W F
R233	1-249-421-11	CARBON	2.2K	5%	1/4W F
R234	1-249-421-11	CARBON	2.2K	5%	1/4W F
R235	1-247-881-00	CARBON	120K	5%	1/4W
R236	1-247-881-00	CARBON	120K	5%	1/4W
R237	1-247-887-00	CARBON	220K	5%	1/4W
R238	1-249-423-11	CARBON	3.3K	5%	1/4W F
R240	1-249-393-11	CARBON	10	5%	1/4W F
R241	1-249-434-11	CARBON	27K	5%	1/4W
R242	1-247-708-11	CARBON	470	5%	1/4W F
R243	1-249-429-11	CARBON	10K	5%	1/4W
R244	1-249-429-11	CARBON	10K	5%	1/4W
R245	1-249-393-11	CARBON	10	5%	1/4W F
R246	1-249-393-11	CARBON	10	5%	1/4W F
R247	1-249-429-11	CARBON	10K	5%	1/4W
R248	1-249-434-11	CARBON	27K	5%	1/4W
R249	1-249-381-11	CARBON	1	5%	1/4W F
R250	1-249-425-11	CARBON	4.7K	5%	1/4W F
R251	1-249-425-11	CARBON	4.7K	5%	1/4W F
R252	1-249-437-11	CARBON	47K	5%	1/4W
R253	1-249-437-11	CARBON	47K	5%	1/4W
R256	1-249-437-11	CARBON	47K	5%	1/4W
R257	1-249-421-11	CARBON	2.2K	5%	1/4W F
R258	1-249-437-11	CARBON	47K	5%	1/4W
R259	1-249-437-11	CARBON	47K	5%	1/4W
R260	1-249-429-11	CARBON	10K	5%	1/4W
R261	1-249-429-11	CARBON	10K	5%	1/4W
R262	1-249-421-11	CARBON	2.2K	5%	1/4W F
R263	1-249-417-11	CARBON	1K	5%	1/4W F
R264	1-249-421-11	CARBON	2.2K	5%	1/4W F
R265	1-249-425-11	CARBON	4.7K	5%	1/4W F
R266	1-249-417-11	CARBON	1K	5%	1/4W F
R267	1-249-421-11	CARBON	2.2K	5%	1/4W F
R301	1-249-482-11	CARBON	4.7	5%	1/2W
R302	1-249-482-11	CARBON	4.7	5%	1/2W
R305	1-249-459-11	CARBON	12K	5%	1/4W
R306	1-249-459-11	CARBON	12K	5%	1/4W
⚠R307	1-212-982-00	FUSIBLE	100	5%	1/2W F
R308	1-249-441-11	CARBON	100K	5%	1/4W
R309	1-249-441-11	CARBON	100K	5%	1/4W
R310	1-249-441-11	CARBON	100K	5%	1/4W
R311	1-247-889-00	CARBON	270K	5%	1/4W
R312	1-249-433-11	CARBON	22K	5%	1/4W
R313	1-249-433-11	CARBON	22K	5%	1/4W
R314	1-249-433-11	CARBON	22K	5%	1/4W
R315	1-249-433-11	CARBON	22K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R316	1-249-441-11	CARBON	100K	5%	1/4W
R317	1-249-441-11	CARBON	100K	5%	1/4W
R318	1-249-421-11	CARBON	2.2K	5%	1/4W F
R319	1-249-421-11	CARBON	2.2K	5%	1/4W F
R321	1-249-421-11	CARBON	2.2K	5%	1/4W F
R322	1-249-421-11	CARBON	2.2K	5%	1/4W F
R323	1-247-713-11	CARBON	1K	5%	1/4W F
R324	1-247-713-11	CARBON	1K	5%	1/4W F
R325	1-249-437-11	CARBON	47K	5%	1/4W
R326	1-249-437-11	CARBON	47K	5%	1/4W
R327	1-249-422-11	CARBON	2.7K	5%	1/4W F
R328	1-249-422-11	CARBON	2.7K	5%	1/4W F
R329	1-249-427-11	CARBON	6.8K	5%	1/4W F
R330	1-249-427-11	CARBON	6.8K	5%	1/4W F
R331	1-249-417-11	CARBON	1K	5%	1/4W F
R332	1-249-417-11	CARBON	1K	5%	1/4W F
R333	1-247-903-00	CARBON	1M	5%	1/4W
R334	1-247-903-00	CARBON	1M	5%	1/4W
R335	1-247-708-11	CARBON	470	5%	1/4W F
R336	1-249-441-11	CARBON	100K	5%	1/4W
R337	1-249-437-11	CARBON	47K	5%	1/4W
R338	1-249-441-11	CARBON	100K	5%	1/4W
R339	1-249-421-11	CARBON	2.2K	5%	1/4W F
R340	1-249-421-11	CARBON	2.2K	5%	1/4W F
R341	1-249-441-11	CARBON	100K	5%	1/4W
R342	1-249-441-11	CARBON	100K	5%	1/4W
R343	1-247-903-00	CARBON	1M	5%	1/4W
R344	1-247-903-00	CARBON	1M	5%	1/4W
R347	1-249-417-11	CARBON	1K	5%	1/4W F
R348	1-249-421-11	CARBON	2.2K	5%	1/4W F
R349	1-249-421-11	CARBON	2.2K	5%	1/4W F
R350	1-247-807-31	CARBON	100	5%	1/4W
R351	1-247-807-31	CARBON	100	5%	1/4W
R352	1-247-807-31	CARBON	100	5%	1/4W
R353	1-247-708-11	CARBON	470	5%	1/4W F
R354	1-247-708-11	CARBON	470	5%	1/4W F
R355	1-247-708-11	CARBON	470	5%	1/4W F
R356	1-249-425-11	CARBON	4.7K	5%	1/4W F
R357	1-249-425-11	CARBON	4.7K	5%	1/4W F
R358	1-249-417-11	CARBON	1K	5%	1/4W F
R359	1-249-417-11	CARBON	1K	5%	1/4W F
R360	1-259-880-11	CARBON	2.2M	5%	1/4W
R361	1-259-880-11	CARBON	2.2M	5%	1/4W
R362	1-249-425-11	CARBON	4.7K	5%	1/4W F
R363	1-249-425-11	CARBON	4.7K	5%	1/4W F
R364	1-247-883-00	CARBON	150K	5%	1/4W
R365	1-247-883-00	CARBON	150K	5%	1/4W
R366	1-249-429-11	CARBON	10K	5%	1/4W
R367	1-247-708-11	CARBON	470	5%	1/4W F
R368	1-249-429-11	CARBON	10K	5%	1/4W
R369	1-247-807-31	CARBON	100	5%	1/4W
R370	1-247-807-31	CARBON	100	5%	1/4W

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MAIN | POWER TR | REC SW | TUNER

Ref. No.	Part No.	Description			Remark
R371	1-247-807-31	CARBON	100	5%	1/4W
R372	1-249-417-11	CARBON	1K	5%	1/4W F
R373	1-249-423-11	CARBON	3.3K	5%	1/4W F
R374	1-249-425-11	CARBON	4.7K	5%	1/4W F
R375	1-249-429-11	CARBON	10K	5%	1/4W
R376	1-249-430-11	CARBON	12K	5%	1/4W
R377	1-249-429-11	CARBON	10K	5%	1/4W
R378	1-249-429-11	CARBON	10K	5%	1/4W
⚠R379	1-212-934-00	FUSIBLE	1	5%	1/2W F
R380	1-247-706-11	CARBON	330	5%	1/4W F
⚠R381	1-212-934-00	FUSIBLE	1	5%	1/2W F
R382	1-247-708-11	CARBON	470	5%	1/4W F
R383	1-247-708-11	CARBON	470	5%	1/4W F
R384	1-247-711-11	CARBON	680	5%	1/4W F
R386	1-247-746-11	CARBON	390	5%	1/2W F
R387	1-247-746-11	CARBON	390	5%	1/2W F
R388	1-249-421-11	CARBON	2.2K	5%	1/4W F
⚠R389	1-213-036-51	FUSIBLE	1	5%	1W F
R391	1-249-417-11	CARBON	1K	5%	1/4W F
R392	1-249-417-11	CARBON	1K	5%	1/4W F
R393	1-249-430-11	CARBON	12K	5%	1/4W
R394	1-249-430-11	CARBON	12K	5%	1/4W
R395	1-249-424-11	CARBON	3.9K	5%	1/4W F
R396	1-249-424-11	CARBON	3.9K	5%	1/4W F
R397	1-247-713-11	CARBON	1K	5%	1/4W F
		< RELAY >			
RY301	1-515-921-11	RELAY (12V)			
		< SFR >			
SFR201	1-238-600-11	RES, ADJ, CARBON 10K			
		< SWITCH >			
SW301	1-762-735-11	SWITCH, SLIDE (AM STEP)(E,SP)			

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*	1-712-585-11	POWER TR BOARD	
		**********	
		(Supplied with REC SW board and AC POWER SW board together)	
	1-535-416-00	TERMINAL	
		< SWITCH >	
⚠SW401	1-762-734-11	SWITCH, SLIDE (VOLTAGE SELECTOR)(E,SP)	

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Ref. No.	Part No.	Description			Remark
*	1-712-585-11	REC SW BOARD			
		**********			
		(Supplied with AC POWER SW board and POWER TR board together)			
		< CAPACITOR >			
C236	1-124-120-11	ELECT	220uF	20%	25V
C244	1-161-494-00	CERAMIC	0.022uF	30%	25V
		< DIODE >			
D206	8-719-031-85	DIODE 1N4002L			
D207	8-719-031-85	DIODE 1N4002L			
		< COIL >			
L202	1-411-822-11	COIL, CHOKE			
		< SWITCH >			
SW201	1-762-071-11	PUSH SWITCH (REC/PLAY)			

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*	A-4390-685-A	TUNER BOARD, COMPLETE (E,AUS,MX,SP)			
		**********			
		< CAPACITOR >			
C101	1-162-294-31	CERAMIC	0.001uF	10%	50V
C102	1-162-294-31	CERAMIC	0.001uF	10%	50V
C103	1-162-197-31	CERAMIC	6.8PF	10%	50V
C104	1-161-494-11	CERAMIC	0.022uF	30%	25V
C105	1-162-206-31	CERAMIC	20PF	5%	50V
C106	1-161-494-11	CERAMIC	0.022uF	30%	25V
C107	1-161-494-11	CERAMIC	0.022uF	30%	25V
C108	1-161-494-11	CERAMIC	0.022uF	30%	25V
C110	1-162-191-31	CERAMIC	2.2PF	10%	50V
C111	1-162-217-31	CERAMIC	56PF	5%	50V
C112	1-162-282-31	CERAMIC	100PF	10%	50V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-162-294-31	CERAMIC	0.001uF	10%	50V
C116	1-130-014-00	FILM	470PF	5%	50V
C117	1-162-208-31	CERAMIC	24PF	5%	50V
C118	1-104-665-11	ELECT	100uF	20%	16V
C121	1-162-203-31	CERAMIC	15PF	5%	50V
C122	1-126-961-11	ELECT	2.2uF	20%	50V
C123	1-124-903-11	ELECT	1uF	20%	50V
C124	1-162-206-31	CERAMIC	20PF	5%	50V
C125	1-124-903-11	ELECT	1uF	20%	50V
C126	1-110-671-31	CERAMIC	47000PF		50V
C127	1-124-907-11	ELECT	10uF	20%	50V
C128	1-161-494-11	CERAMIC	0.022uF	30%	25V
C129	1-124-903-11	ELECT	1uF	20%	50V
C130	1-137-350-11	FILM	0.015uF	5%	100V
C131	1-137-350-11	FILM	0.015uF	5%	100V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

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Ref. No.	Part No.	Description			Remark
C132	1-136-480-11	FILM	0.0015uF	5%	100V
C133	1-136-480-11	FILM	0.0015uF	5%	100V
C134	1-162-294-31	CERAMIC	0.001uF	10%	50V
C135	1-126-962-11	ELECT	3.3uF	20%	50V
C137	1-124-902-00	ELECT	0.47uF	20%	50V
C138	1-162-306-11	CERAMIC	0.01uF	20%	16V
C139	1-161-494-11	CERAMIC	0.022uF	30%	25V
C140	1-104-665-11	ELECT	100uF	20%	16V
C141	1-161-494-11	CERAMIC	0.022uF	30%	25V
C142	1-104-665-11	ELECT	100uF	20%	16V
C143	1-126-962-11	ELECT	3.3uF	20%	50V
C144	1-162-306-11	CERAMIC	0.01uF	20%	16V
C145	1-162-217-31	CERAMIC	56PF	5%	50V
C147	1-161-494-11	CERAMIC	0.022uF	30%	25V
C148	1-162-294-31	CERAMIC	0.001uF	10%	50V
C149	1-161-494-11	CERAMIC	0.022uF	30%	25V
C150	1-164-159-11	CERAMIC	0.1uF		50V
C151	1-162-301-11	CERAMIC	0.0015uF	30%	16V
C152	1-162-301-11	CERAMIC	0.0015uF	30%	16V
C153	1-161-494-11	CERAMIC	0.022uF	30%	25V
C155	1-162-282-31	CERAMIC	100PF	10%	50V
C157	1-162-294-31	CERAMIC	0.001uF	10%	50V
C160	1-161-494-11	CERAMIC	0.022uF	30%	25V
C161	1-124-903-11	ELECT	1uF	20%	50V
C162	1-124-903-11	ELECT	1uF	20%	50V
C207	1-104-664-11	ELECT	47uF	20%	16V
C208	1-162-306-11	CERAMIC	0.01uF	20%	16V
C209	1-162-282-31	CERAMIC	100PF	10%	50V
C210	1-162-282-31	CERAMIC	100PF	10%	50V
C211	1-162-282-31	CERAMIC	100PF	10%	50V
C212	1-162-282-31	CERAMIC	100PF	10%	50V
C213	1-102-961-00	CERAMIC	27PF	5%	50V
C214	1-102-961-00	CERAMIC	27PF	5%	50V
C215	1-126-233-11	ELECT	22uF	20%	50V
		< FILTER >			
CF101	1-579-568-11	FILTER, CERAMIC (10.7MHz)			
CF102	1-567-390-11	FILTER,CERAMIC (10.7MHz)			
CF103	1-527-996-11	FILTER, CERAMIC (450kHz)			
CF104	1-579-856-31	DISCRIMINATOR, CERAMIC (10.7MHz)			
CF105	1-577-075-11	OSCILLATOR, CERAMIC (19kHz)			
		< CONNECTOR >			
CN101	1-778-278-11	CONNECTOR(BOARD TO BOARD PLUG)			
		< DIODE >			
D101	8-719-820-58	DIODE 1SS177			
D102	8-719-820-58	DIODE 1SS177			
D105	8-719-820-58	DIODE 1SS177			
D106	8-719-059-68	DIODE KV1340			
D107	8-719-059-68	DIODE KV1340			

Ref. No.	Part No.	Description			Remark
D108	8-719-800-72	DIODE 1SV149-B			
D109	8-719-800-72	DIODE 1SV149-B			
D110	8-719-114-35	DIODE RD5.6JSB			
D111	8-719-820-58	DIODE 1SS177			
D112	8-719-820-58	DIODE 1SS177			
D202	8-719-820-58	DIODE 1SS177			
		< IC >			
IC101	8-759-801-96	IC LA1186			
IC102	8-759-090-40	IC LA1831			
IC201	8-759-175-87	IC LC7218-ST			
		< TERMINAL >			
JK101	1-694-092-21	TERMINAL BOARD (SPEAKER)(ANTENNA)			
		< COIL >			
L101	1-429-550-11	TRANSFORMER, FM ANT			
L102	1-429-551-11	TRANSFORMER, FM RF			
L103	1-411-798-11	COIL, FM OSC			
L104	1-411-901-11	COIL, ANTENNA			
L105	1-429-555-11	TRANSFORMER, MW OSC			
L107	1-408-417-00	INDUCTOR 47uH			
L108	1-408-417-00	INDUCTOR 47uH			
L203	1-412-507-11	INDUCTOR 47uH			
		< TRANSISTOR >			
Q101	1-807-810-21	TRANSISTOR 2SC1675TP-L			
Q102	1-807-810-21	TRANSISTOR 2SC1675TP-L			
Q105	8-729-902-80	TRANSISTOR DTA114YS			
Q106	8-729-216-13	TRANSISTOR 2SK161-GR			
Q107	8-729-194-57	TRANSISTOR 2SC945-P			
Q108	8-729-194-57	TRANSISTOR 2SC945-P			
Q109	8-729-904-36	TRANSISTOR DTC114YS			
		< RESISTOR >			
R101	1-249-441-11	CARBON	100K	5%	1/4W
R102	1-249-417-11	CARBON	1K	5%	1/4W F
R103	1-249-393-11	CARBON	10	5%	1/4W F
R104	1-247-807-31	CARBON	100	5%	1/4W
R105	1-249-417-11	CARBON	1K	5%	1/4W F
R106	1-249-423-11	CARBON	3.3K	5%	1/4W F
R107	1-249-427-11	CARBON	6.8K	5%	1/4W F
R108	1-249-411-11	CARBON	330	5%	1/4W
R109	1-249-441-11	CARBON	100K	5%	1/4W
R110	1-249-435-11	CARBON	33K	5%	1/4W
R111	1-249-417-11	CARBON	1K	5%	1/4W F
R112	1-247-807-31	CARBON	100	5%	1/4W
R113	1-249-441-11	CARBON	100K	5%	1/4W
R114	1-249-441-11	CARBON	100K	5%	1/4W
R115	1-249-397-11	CARBON	22	5%	1/4W F
R118	1-247-807-31	CARBON	100	5%	1/4W

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Ref. No.	Part No.	Description			Remark
R119	1-249-413-11	CARBON	470	5%	1/4W F
R120	1-249-423-11	CARBON	3.3K	5%	1/4W F
R121	1-249-423-11	CARBON	3.3K	5%	1/4W F
R122	1-249-423-11	CARBON	3.3K	5%	1/4W F
R123	1-249-428-11	CARBON	8.2K	5%	1/4W F
R126	1-249-427-11	CARBON	6.8K	5%	1/4W F
R127	1-249-427-11	CARBON	6.8K	5%	1/4W F
R128	1-249-427-11	CARBON	6.8K	5%	1/4W F
R129	1-249-427-11	CARBON	6.8K	5%	1/4W F
⚠R130	1-212-986-61	FUSIBLE	150	5%	1/2W F
R131	1-249-417-11	CARBON	1K	5%	1/4W F
R132	1-249-429-11	CARBON	10K	5%	1/4W
R133	1-249-421-11	CARBON	2.2K	5%	1/4W F
R134	1-249-423-11	CARBON	3.3K	5%	1/4W F
R138	1-249-425-11	CARBON	4.7K	5%	1/4W F
R140	1-249-423-11	CARBON	3.3K	5%	1/4W F
R145	1-249-421-11	CARBON	2.2K	5%	1/4W F
R149	1-249-431-11	CARBON	15K	5%	1/4W
R155	1-249-429-11	CARBON	10K	5%	1/4W
R210	1-249-425-11	CARBON	4.7K	5%	1/4W F
R211	1-249-417-11	CARBON	1K	5%	1/4W F
R212	1-249-429-11	CARBON	10K	5%	1/4W
R213	1-247-725-11	CARBON	10K	5%	1/4W F
R213	1-249-429-11	CARBON	10K	5%	1/4W
R214	1-249-427-11	CARBON	6.8K	5%	1/4W F
		< SFR >			
SFR101	1-238-599-11	RES, ADJ, CARBON 4.7K			
		< TRANSFORMER >			
T101	1-429-553-11	TRANSFORMER, FM IFT			
T102	1-429-554-11	TRANSFORMER, AM IFT			
		< TRIMMER >			
TC101	1-141-227-00	CAP, TRIMMER 20PF			
TC102	1-141-227-00	CAP, TRIMMER 20PF			
		< TEST PIN >			
* TP1	1-568-951-11	PIN, CONNECTOR 2P			
* TP2	1-568-951-11	PIN, CONNECTOR 2P			
		< VIBRATOR >			
X201	1-579-585-11	VIBRATOR, CRYSTAL (7.2MHz)			
**********					
*	A-4390-689-A	TUNER BOARD, COMPLETE (AEP,UK,G)			
		**********			
		< CAPACITOR >			
C102	1-162-294-31	CERAMIC	0.001uF	10%	50V
C106	1-161-494-11	CERAMIC	0.022uF	30%	25V
C107	1-161-494-11	CERAMIC	0.022uF	30%	25V
C108	1-161-494-11	CERAMIC	0.022uF	30%	25V
C111	1-162-301-11	CERAMIC	0.0015uF	30%	16V
C112	1-162-301-11	CERAMIC	0.0015uF	30%	16V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C116	1-130-014-00	FILM	470PF	5%	50V
C117	1-162-208-31	CERAMIC	24PF	5%	50V
C118	1-104-665-11	ELECT	100uF	20%	16V
C121	1-162-203-31	CERAMIC	15PF	5%	50V
C122	1-126-961-11	ELECT	2.2uF	20%	50V
C123	1-124-903-11	ELECT	1uF	20%	50V
C124	1-162-206-31	CERAMIC	20PF	5%	50V
C125	1-124-903-11	ELECT	1uF	20%	50V
C126	1-110-671-31	CERAMIC	47000PF		50V
C127	1-124-907-11	ELECT	10uF	20%	50V
C128	1-161-494-11	CERAMIC	0.022uF	30%	25V
C129	1-124-903-11	ELECT	1uF	20%	50V
C130	1-137-350-11	FILM	0.015uF	5%	100V
C131	1-137-350-11	FILM	0.015uF	5%	100V
C132	1-106-343-00	MYLAR	1000PF	5%	200V
C133	1-106-343-00	MYLAR	1000PF	5%	200V
C135	1-126-962-11	ELECT	3.3uF	20%	50V
C137	1-124-902-00	ELECT	0.47uF	20%	50V
C138	1-162-306-11	CERAMIC	0.01uF	20%	16V
C139	1-161-494-11	CERAMIC	0.022uF	30%	25V
C140	1-104-665-11	ELECT	100uF	20%	16V
C141	1-161-494-11	CERAMIC	0.022uF	30%	25V
C142	1-104-665-11	ELECT	100uF	20%	16V
C143	1-124-902-00	ELECT	0.47uF	20%	50V
C144	1-161-494-11	CERAMIC	0.022uF	30%	25V
C145	1-162-217-31	CERAMIC	56PF	5%	50V
C149	1-161-494-11	CERAMIC	0.022uF	30%	25V
C150	1-164-159-11	CERAMIC	0.1uF		50V
C151	1-162-285-31	CERAMIC	180PF	10%	50V
C152	1-164-736-31	CERAMIC	0.0012uF	10%	50V
C153	1-161-494-11	CERAMIC	0.022uF	30%	25V
C154	1-162-306-11	CERAMIC	0.01uF	20%	16V
C157	1-162-294-31	CERAMIC	0.001uF	10%	50V
C160	1-161-494-11	CERAMIC	0.022uF	30%	25V
C161	1-124-903-11	ELECT	1uF	20%	50V
C162	1-124-903-11	ELECT	1uF	20%	50V
C163	1-162-306-11	CERAMIC	0.01uF	20%	16V
C164	1-162-290-31	CERAMIC	470PF	10%	50V
C165	1-162-199-31	CERAMIC	10PF	5%	50V
C166	1-162-199-31	CERAMIC	10PF	5%	50V
C207	1-104-664-11	ELECT	47uF	20%	16V
C208	1-162-306-11	CERAMIC	0.01uF	20%	16V
C209	1-162-282-31	CERAMIC	100PF	10%	50V
C210	1-162-282-31	CERAMIC	100PF	10%	50V
C211	1-162-282-31	CERAMIC	100PF	10%	50V
C212	1-162-282-31	CERAMIC	100PF	10%	50V

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Ref. No.	Part No.	Description			Remark
C213	1-102-961-00	CERAMIC	27PF	5%	50V
C214	1-102-961-00	CERAMIC	27PF	5%	50V
C215	1-126-233-11	ELECT	22uF	20%	50V
C106A	1-162-207-31	CERAMIC	22PF	5%	50V
		< FILTER >			
CF101	1-567-107-00	FILTER, CERAMIC (10.7MHz)			
CF102	1-567-107-00	FILTER, CERAMIC (10.7MHz)			
CF103	1-527-996-11	FILTER, CERAMIC (450kHz)			
CF104	1-579-856-31	DISCRIMINATOR, CERAMIC (10.7MHz)			
CF105	1-577-075-11	OSCILLATOR, CERAMIC (19kHz)			
		< CONNECTOR >			
CN101	1-778-279-11	CONNECTOR (BOARD TO BOARD)			
		< DIODE >			
D101	8-719-820-58	DIODE 1SS177			
D102	8-719-820-58	DIODE 1SS177			
D108	8-719-800-72	DIODE 1SV149-B			
D109	8-719-800-72	DIODE 1SV149-B			
D110	8-719-114-35	DIODE RD5.6JSB			
D111	8-719-820-58	DIODE 1SS177			
D112	8-719-820-58	DIODE 1SS177			
D202	8-719-820-58	DIODE 1SS177			
		< IC >			
IC102	8-759-090-40	IC LA1831			
IC201	8-759-175-87	IC LC7218-ST			
		< TERMINAL >			
JK101	1-694-126-11	TERMINAL BOARD (ANTENNA)			
		< COIL >			
L101	1-429-550-11	TRANSFORMER, FM ANT			
L102	1-412-503-11	INDUCTOR 22uH			
L103	1-412-503-11	INDUCTOR 22uH			
L104	1-411-901-11	COIL, ANTENNA			
L105	1-429-555-11	TRANSFORMER, MW OSC			
L106	1-412-503-11	INDUCTOR 22uH			
L107	1-408-417-00	INDUCTOR 47uH			
L108	1-408-417-00	INDUCTOR 47uH			
L110	1-410-527-11	INDUCTOR 100uH			
L203	1-412-507-11	INDUCTOR 47uH			
		< TRANSISTOR >			
Q101	1-807-810-21	TRANSISTOR 2SC1675TP-L			
Q105	8-729-902-80	TRANSISTOR DTA114YS			
Q106	8-729-216-13	TRANSISTOR 2SK161-GR			
Q107	8-729-194-57	TRANSISTOR 2SC945-P			
Q108	8-729-194-57	TRANSISTOR 2SC945-P			
Q109	8-729-904-36	TRANSISTOR DTC114YS			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R104	1-249-409-11	CARBON	220	5%	1/4W F
R105	1-249-417-11	CARBON	1K	5%	1/4W F
R106	1-249-423-11	CARBON	3.3K	5%	1/4W F
R107	1-249-427-11	CARBON	6.8K	5%	1/4W F
R108	1-249-411-11	CARBON	330	5%	1/4W
R112	1-249-426-11	CARBON	5.6K	5%	1/4W
R113	1-249-441-11	CARBON	100K	5%	1/4W
R114	1-249-441-11	CARBON	100K	5%	1/4W
R115	1-249-397-11	CARBON	22	5%	1/4W F
R118	1-247-807-31	CARBON	100	5%	1/4W
R119	1-249-413-11	CARBON	470	5%	1/4W F
R120	1-249-423-11	CARBON	3.3K	5%	1/4W F
R121	1-249-423-11	CARBON	3.3K	5%	1/4W F
R122	1-249-423-11	CARBON	3.3K	5%	1/4W F
R123	1-249-428-11	CARBON	8.2K	5%	1/4W F
R126	1-249-427-11	CARBON	6.8K	5%	1/4W F
R127	1-249-427-11	CARBON	6.8K	5%	1/4W F
R128	1-249-427-11	CARBON	6.8K	5%	1/4W F
R129	1-249-427-11	CARBON	6.8K	5%	1/4W F
⚠R130	1-212-986-61	FUSIBLE	150	5%	1/2W F
R131	1-249-417-11	CARBON	1K	5%	1/4W F
R132	1-249-429-11	CARBON	10K	5%	1/4W
R133	1-249-423-11	CARBON	3.3K	5%	1/4W F
R134	1-249-423-11	CARBON	3.3K	5%	1/4W F
R137	1-249-429-11	CARBON	10K	5%	1/4W
R140	1-249-417-11	CARBON	1K	5%	1/4W F
R141	1-249-411-11	CARBON	330	5%	1/4W
R145	1-249-417-11	CARBON	1K	5%	1/4W F
R146	1-247-807-31	CARBON	100	5%	1/4W
R149	1-249-431-11	CARBON	15K	5%	1/4W
R155	1-249-411-11	CARBON	330	5%	1/4W
R156	1-249-429-11	CARBON	10K	5%	1/4W
R210	1-249-425-11	CARBON	4.7K	5%	1/4W F
R211	1-249-417-11	CARBON	1K	5%	1/4W F
R212	1-249-429-11	CARBON	10K	5%	1/4W
R213	1-249-429-11	CARBON	10K	5%	1/4W
R214	1-249-427-11	CARBON	6.8K	5%	1/4W F
		< SFR >			
SFR101	1-238-599-11	RES, ADJ, CARBON 4.7K			
		< TRANSFORMER >			
T101	1-411-947-11	COIL,LOWPASS FILTER			
T102	1-429-554-11	TRANSFORMER, AM IFT			
		< TRIMMER >			
TC102	1-141-227-00	CAP, TRIMMER 20PF			

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HCD-H100

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Ref. No.	Part No.	Description	Remark
		< TEST PIN >	
* TP1	1-568-951-11	PIN, CONNECTOR 2P	
* TP2	1-568-951-11	PIN, CONNECTOR 2P	
		< FRONT END >	
U1	1-473-755-11	BLOCK (FRONT END)	
		< VIBRATOR >	
X201	1-579-585-11	VIBRATOR, CRYSTAL (7.2MHz)	
**********			
		MISCELLANEOUS	
		**********	
13	1-535-416-00	TERMINAL	
69	1-473-661-11	BASE UNIT, CD	
* 126	1-759-233-11	DECK, MECHANICAL	
130	1-773-075-11	WIRE (FLAT TYPE)(18 CORE)	
* 163	1-759-233-11	DECK, MECHANICAL	
202	1-473-661-11	BASE UNIT, CD	
⚠CNP1001	1-551-188-XX	CORD, POWER (MX)	
⚠CNP1001	1-555-750-00	CORD, POWER (AEP,G,E,SP)	
⚠CNP1001	1-696-966-11	CORD, POWER (AUS)	
⚠CNP1001	1-751-535-11	CORD, POWER (UK)	
D605	8-719-058-75	DIODE LTL-2294WC (RED)(ON/STANDBY)	
D608	8-719-058-75	DIODE LTL-2294WC (RED)(BASS BOOST)	
D609	8-719-058-75	DIODE LTL-2294WC (RED)(VOLUME)	
⚠F301	1-532-350-00	FUSE, TIME-LAG (4A 250V)	
⚠F302	1-532-203-00	FUSE, TIME-LAG (2A 250V)	
IC301	8-749-943-92	IC STK4392 (AEP,UK,G)	
IC301	8-749-920-14	IC STK4412 (E,AUS,MX,SP)	
HE901	9-936-999-01	E HEAD (ERASE)	
HP901	9-936-998-01	HEAD (PLAY)	
HRP901	9-936-998-01	HEAD (REC/PLAY)	
LCD601	1-801-247-11	DISPLAY PANEL, LIQUID CRYSTAL	
M101	9-939-007-01	MOTOR ASSY (SPINDLE)	
M102	9-939-008-01	MOTOR ASSY (SLED)	
M103	1-698-750-11	MOTOR (TURN TABLE)	
M901	9-939-002-01	MOTOR (CAPSTAN/REEL)	
⚠PT301	1-429-693-11	TRANSFORMER, POWER (AEP,UK,G)	
⚠PT301	1-429-694-11	TRANSFORMER, POWER (E,SP)	
⚠PT301	1-429-695-11	TRANSFORMER, POWER (AUS)	
⚠PT301	1-429-705-11	TRANSFORMER, POWER (MX)	
S03	1-762-682-11	SWITCH, LEAF (TURN TABLE UP/DOWN DET)	
S17	9-939-009-01	SWITCH, LEAF (STOP)	
SW202	9-939-000-01	LEAF SWITCH (A DECK)	
SW203	9-939-000-01	LEAF SWITCH (B DECK)	
SW204	9-939-006-01	LEAF SWITCH (PLAY)	
**********			

Ref. No.	Part No.	Description	Remark
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-682-904-21	SCREW +PWH 4X10	
#3	7-624-118-01	RING, RETAINING E-2.5	
#4	7-621-775-10	SCREW +B 2.6X4	
#5	7-624-112-04	STOP RING 8.0, TYPE -E	
#6	7-685-903-21	SCREW +PTPWH 3X8 (TYPE2)	
#7	7-621-255-45	SCREW +PTT 2X6 (S)	
#8	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
#9	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	

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The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

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